

TEST REPORT

Applicant	LINXEE (BEIJING)TECHNOLOGY LTD
Address	01,1ST FLOOR, BUILDING 15, EAST OF NO.10YARD, XIBEIWANG EAST ROAD, HAIDIAN DISTRICT, BEIJING, P.R.C.

Manufacturer or Supplier	LINXEE (BEIJING)TECHNOLOGY LTD
Address	01,1ST FLOOR, BUILDING 15, EAST OF NO.10YARD, XIBEIWANG EAST ROAD, HAIDIAN DISTRICT, BEIJING, P.R.C.
Product	Linxee AgentBox P1
Brand Name	LINXEE
Model	P1
Additional Model & Model Difference	N/A
Date of tests	Jul. 01, 2026 ~ Jul. 13, 2026

The tests have been carried out according to the requirements of the following standard:

☒ FCC Part 15, Subpart C, Section 15.247

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Aug. 04, 2026

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Test Report No.: RF2606WDG0092-2

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2606WDG0092-2	Original release	Aug. 04, 2026

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit.
15.247(d) 15.209	Radiated Emissions	PASS	Meet the requirement of limit.
15.247(d)	Band Edge Measurement	PASS	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth	PASS	Meet the requirement of limit.
15.247(b)	Conducted Output power	PASS	Meet the requirement of limit.
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	i-pex connector is used

Test Location:

A: No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.

2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz~30MHz	3.36dB
Radiated emissions	9kHz~30MHz	2.76dB
	30MHz ~ 1GMHz	4.32dB
	1GHz ~ 18GHz	4.76dB
	18GHz ~ 40GHz	4.50dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Linxee AgentBox P1
MODEL NO.	P1
ADDITIONAL MODELS	N/A
FCC ID	2BWL-B-P1
NOMINAL VOLTAGE	DC 12V from Adapter
MODULATION TECHNOLOGY	DSSS, OFDM, OFDMA, DTS
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS; 64QAM, 16QAM, QPSK, BPSK for OFDM; 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA; BT-LE(GFSK) (1, 2Mbps)
OPERATING FREQUENCY	2412-2462MHz for 11b/g/n(HT20)/ax(HE20) 2422-2452MHz for 11n(HT40)/ax(HE40) 2402-2480MHz for BT-LE(GFSK) (1&2Mbps)
PEAK OUTPUT POWER	WIFI: 142.28mw (Maximum) BT-LE: 3.908mw (Maximum)
ANTENNA TYPE	2.4GHz WIFI: Chain 0: FPC Antenna, with -5.61dBi gain Chain 1: FPC Antenna, with -5.61dBi gain BT: PCB Antenna, with 2.94dBi gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

NOTES:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2606WDG0092-1) for detailed product photo.
4. The EUT does not support partial RU.
5. The working status of the antennas is as follows.

MODULATION MODE	FUNCTION
802.11b	2 Chains (MIMO)
802.11g	2 Chains (MIMO)
802.11n (HT20)/ 802.11ax (HE20)	2 Chains (MIMO)
802.11n (HT40)/ 802.11ax (HE40)	2 Chains (MIMO)
BT_LE	1 Chain

*The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ax mode for 20MHz (40MHz), therefore the manufacturer will control the power for 802.11ax mode is the same as the 802.11n/ac mode or lower than it and investigated worst case to representative mode in test report. (Final test mode refers to section 3.2.2)

3.2 DESCRIPTION OF TEST MODES

11 channels are provided for 802.11b, 802.11g and 802.11n (HT20), 802.11ax (HE20):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz	-	-

7 channels are provided for 802.11n (HT40), 802.11ax (HE40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
3	2422MHz	7	2442MHz
4	2427MHz	8	2447MHz
5	2432MHz	9	2452MHz
6	2437MHz	-	-

40 channels are provided for BT-LE GFSK (1,2Mbps):

CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 5 photographs of the test configuration for reference.

3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis, power supply voltage range and antenna ports. The worst case was found when positioned on X axis for radiated emission. Following test modes were selected for the final test, and the final worst case is marked in boldface and recorded in the report:

EUT CONFIGURE MODE	APPLICABLE TO				MODE
	RE<1G	RE≥1G	PLC	APCM	
A	√	√	√	√	DC 12V from Adapter

Where **RE<1G**: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission

RE≥1G: Radiated Emission above 1GHz
APCM: Antenna Port Conducted Measurement

POWER LINE CONDUCTED EMISSION TEST:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	TESTED CONDITION
A	BT Link
A	WIFI (2.4G) Link

RADIATED EMISSION TEST (BELOW 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1	DSSS	DBPSK	6.0
A	BT-LE	0 to 39	39	DTS	BT-LE	1.0
A	BT-LE	0 to 39	39	DTS	BT-LE	2.0

RADIATED EMISSION TEST (ABOVE 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n HT20	1 to 11	1, 6, 11	OFDM	BPSK	6.5
A	802.11n HT40	3 to 9	3, 6, 9	OFDM	BPSK	13.5
A	BT-LE	0 to 39	0,19, 39	DTS	BT-LE	1.0
A	BT-LE	0 to 39	0,19, 39	DTS	BT-LE	2.0

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n HT20	1 to 11	1, 6, 11	OFDM	BPSK	6.5
A	802.11n HT40	3 to 9	3, 6, 9	OFDM	BPSK	13.5
A	802.11ax (HE20) Output power only	1 to 11	1, 6, 11	OFDMA	BPSK	8.0
A	802.11ax (HE40) Output power only	3 to 9	3, 6, 9	OFDMA	BPSK	16.0
A	BT-LE	0 to 39	0,19, 39	DTS	BT-LE	1.0
A	BT-LE	0 to 39	0,19, 39	DTS	BT-LE	2.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE	TESTED BY
RE<1G	25deg. C, 51%RH	DC 12V from Adapter	Ludius
RE≥1G	25deg. C, 51%RH	DC 12V from Adapter	Ludius
PLC	25deg. C, 58%RH	DC 12V from Adapter	Summer
APCM	25deg. C, 60%RH	DC 12V from Adapter	Jeffery

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is an RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C, Section 15.247

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2020

All test items have been performed and recorded as per the above standards.

3.4 DESCRIPTION OF SUPPORT UNITS

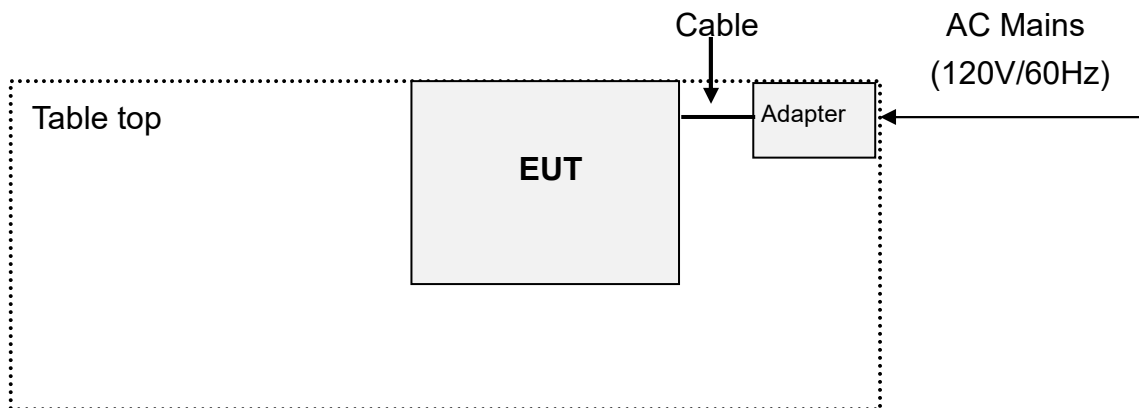
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	Remark
1	Notebook	DELL	Inspiron 13-7378	GMSJZD2	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, detachable 0.8m; DC Line: Unshielded, non-detachable 1.8m

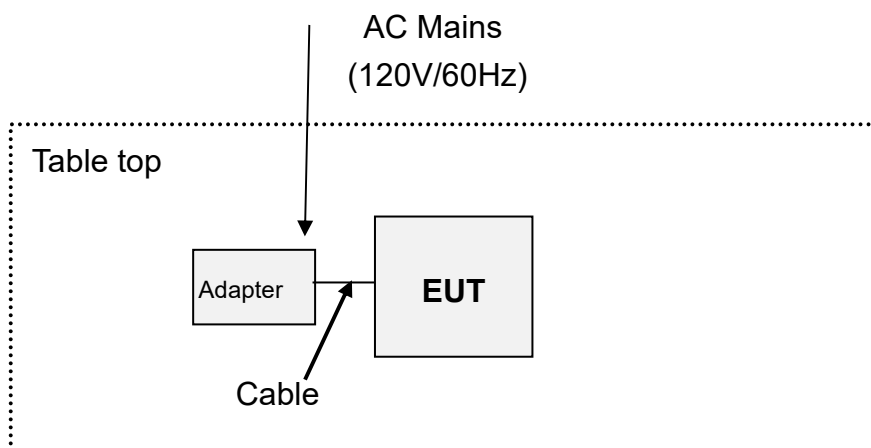
3.5 CONFIGURATION OF SYSTEM UNDER TEST

For Conducted Emission Test



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

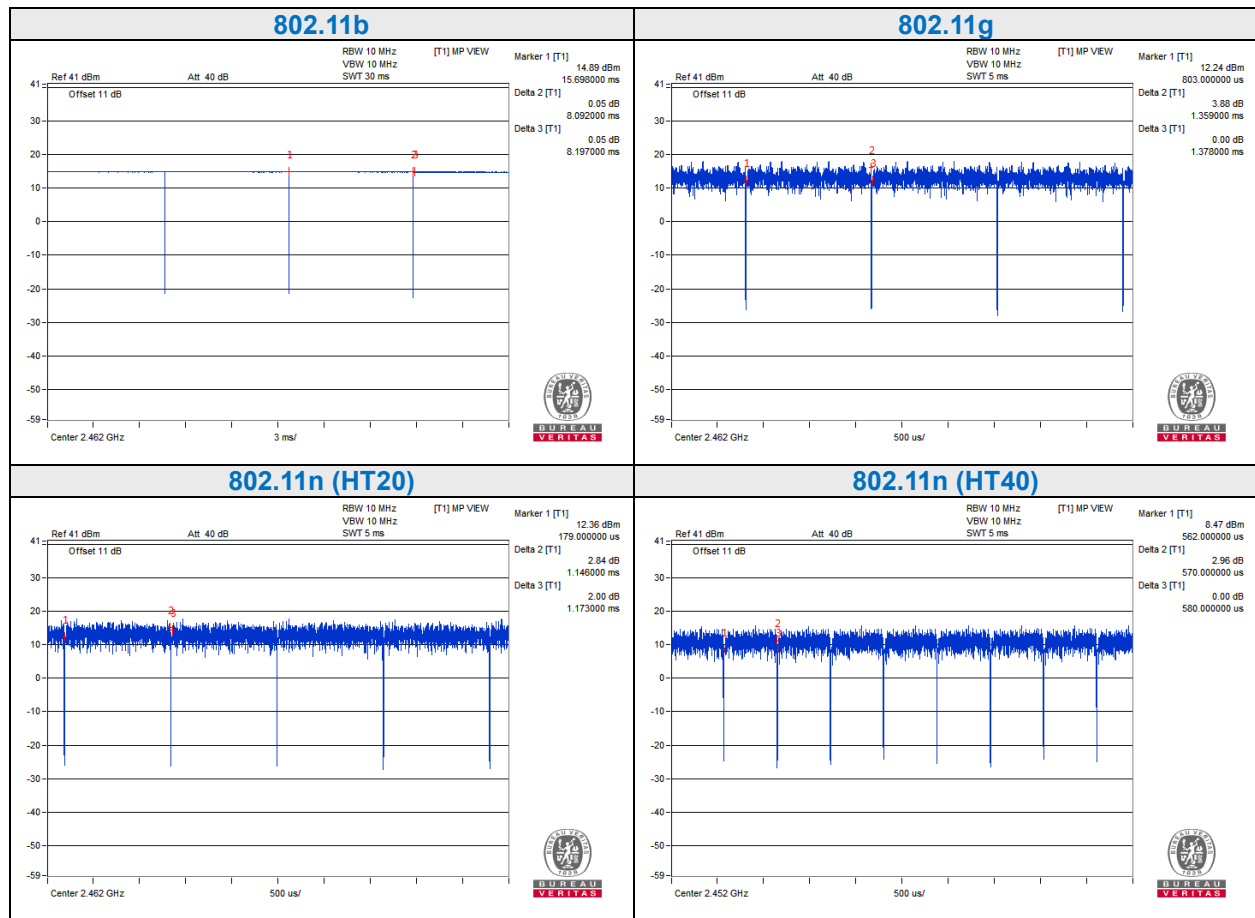
For Radiated Emission Test

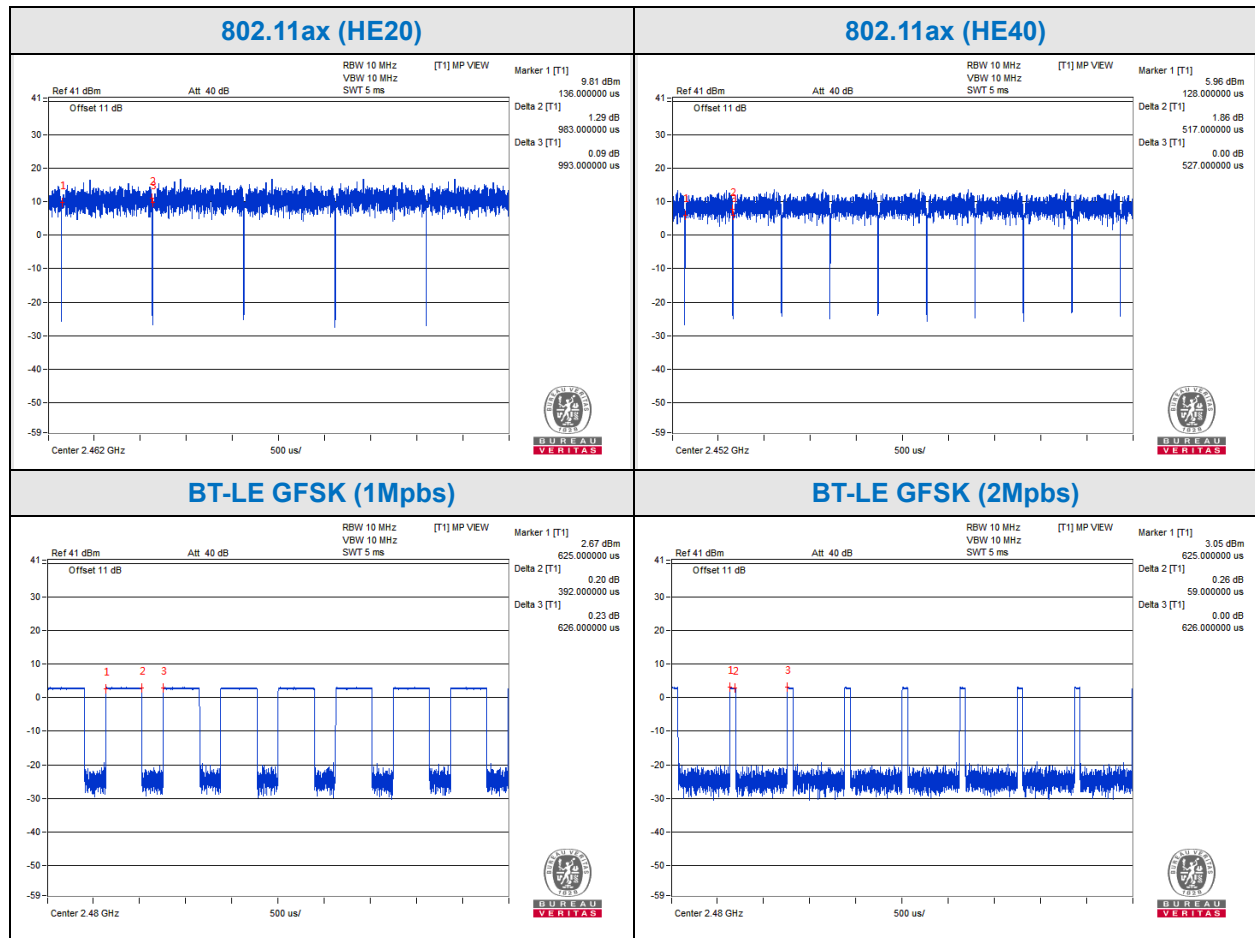


Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.6 DUTY CYCLE OF TESET SIGNAL

Test Mode	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty factor (dB)	1/T Min. VBW (KHz)	VBW Setting
802.11b	8.092	8.197	98.7	/	/	10Hz
802.11g	1.359	1.378	98.6	/	/	10Hz
802.11n (HT20)	1.146	1.173	98.0	/	/	10Hz
802.11n (HT40)	0.57	0.58	98.3	/	/	10Hz
802.11ax (HE20)	0.983	0.993	98.99	/	/	10Hz
802.11ax (HE40)	0.517	0.527	98.10	/	/	10Hz
BT-LE (1Mbps)	0.392	0.626	62.6	2.03	2.551	3KHz
BT-LE (2Mbps)	0.059	0.626	9.4	10.26	16.949	20KHz





4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

- NOTES:**
1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Oct. 10, 26
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Oct. 10, 26
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Oct. 10, 26
Artificial Mains Network	SCHWARZBECK	NSLK 8122	8122-05001	Nov. 04, 26
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124-200	8124-200 05857	Apr. 08, 27
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124-200	8124-200 05858	Apr. 08, 27
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Jul. 02, 27
Coaxial RF Cable	SUHNER	RG 223/U-CE	C2310066DG	Jun. 21, 27
Test software	ADT	ADT Cond V7.3.7	N/A	N/A

- NOTES:**
1. The test was performed in shielded room 553.
 2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.

4.1.3 TEST PROCEDURES

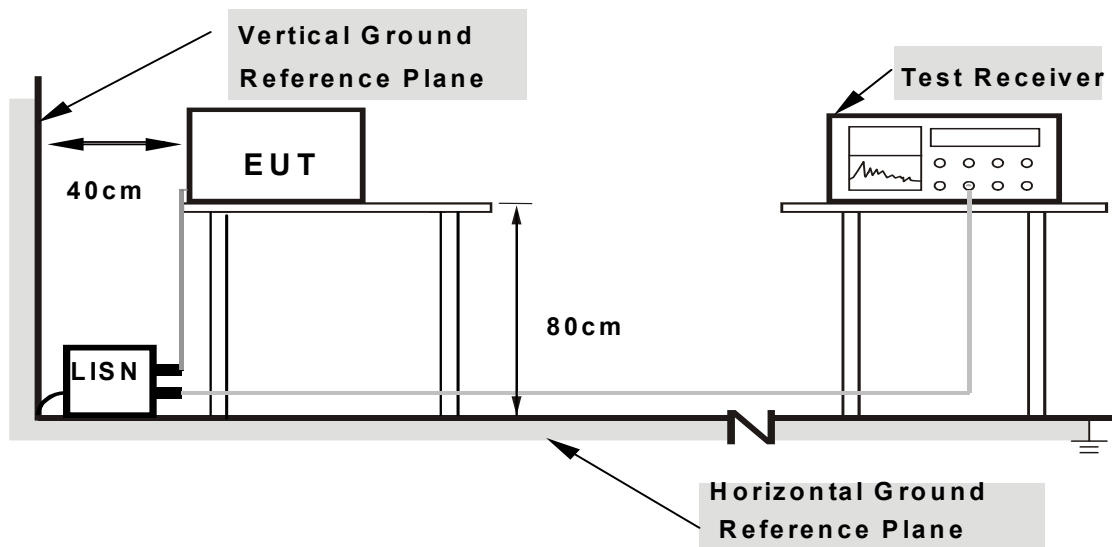
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

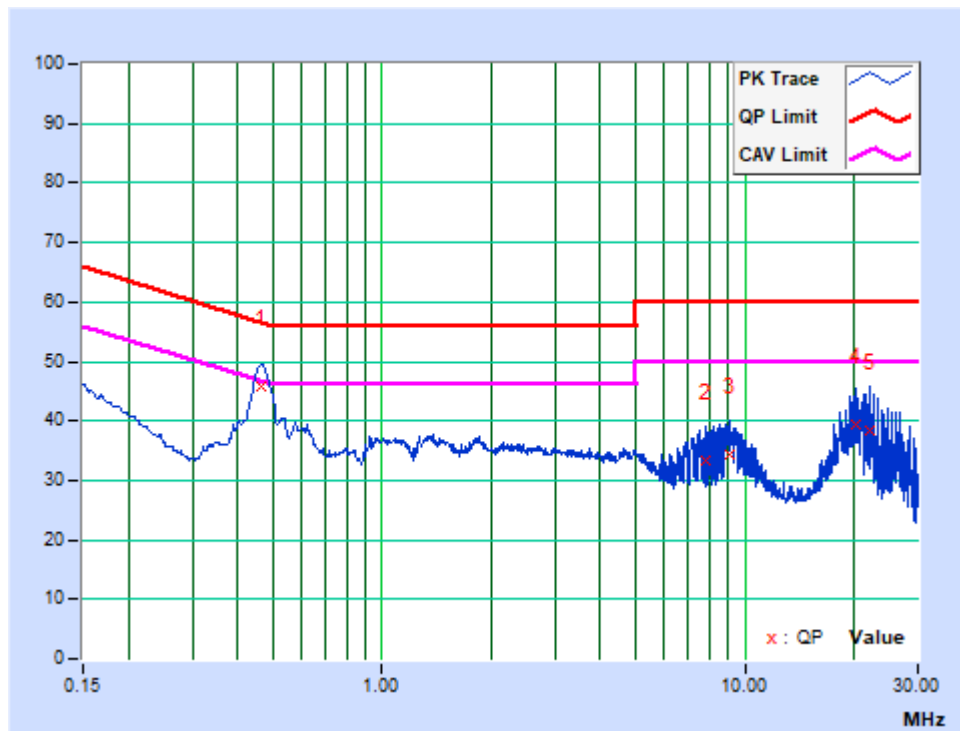
4.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: BT Link

PHASE	Line	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.46271	9.65	36.04	26.46	45.69	36.11	56.64	46.64	-10.96	-10.54
2	7.84427	10.18	23.18	9.45	33.36	19.63	60.00	50.00	-26.64	-30.37
3	9.12750	10.28	24.18	10.50	34.46	20.78	60.00	50.00	-25.54	-29.22
4	20.32125	10.69	28.79	20.87	39.48	31.56	60.00	50.00	-20.52	-18.44
5	22.03125	10.74	27.72	17.59	38.46	28.33	60.00	50.00	-21.54	-21.67

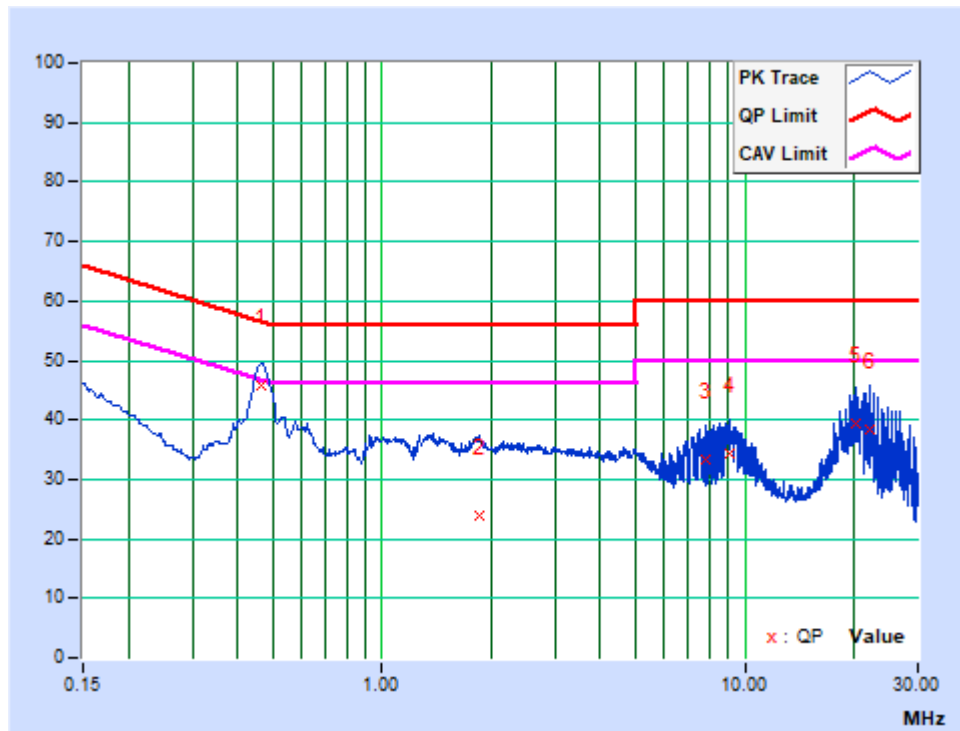
REMARKS: The emission levels of other frequencies were very low against the limit.



PHASE	Neutral	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.46271	9.65	36.04	26.63	45.69	36.28	56.64	46.64	-10.96	-10.37
2	1.84875	9.76	14.25	5.68	24.01	15.44	56.00	46.00	-31.99	-30.56
3	7.84427	10.18	23.18	9.45	33.36	19.63	60.00	50.00	-26.64	-30.37
4	9.12750	10.28	24.18	10.50	34.46	20.78	60.00	50.00	-25.54	-29.22
5	20.32125	10.69	28.79	20.87	39.48	31.56	60.00	50.00	-20.52	-18.44
6	22.03125	10.74	27.72	17.59	38.46	28.33	60.00	50.00	-21.54	-21.67

REMARKS: The emission levels of other frequencies were very low against the limit.

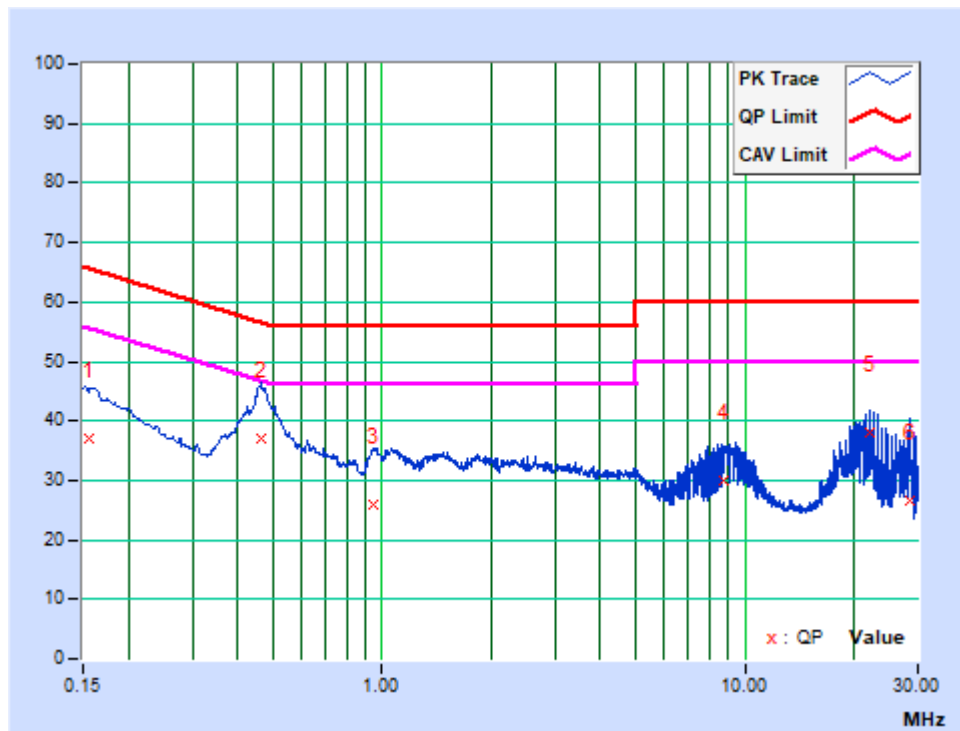


CONDUCTED WORST-CASE DATA: WIFI Link

PHASE	Line	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15674	9.62	27.51	15.59	37.13	25.21	65.63	55.63	-28.51	-30.43
2	0.46500	9.79	27.09	19.70	36.88	29.49	56.60	46.60	-19.73	-17.12
3	0.94875	9.83	16.08	5.38	25.91	15.21	56.00	46.00	-30.09	-30.79
4	8.77200	10.31	19.52	9.16	29.83	19.47	60.00	50.00	-30.17	-30.53
5	22.04475	10.71	27.45	16.49	38.16	27.20	60.00	50.00	-21.84	-22.80
6	28.62600	10.85	15.80	10.03	26.65	20.88	60.00	50.00	-33.35	-29.12

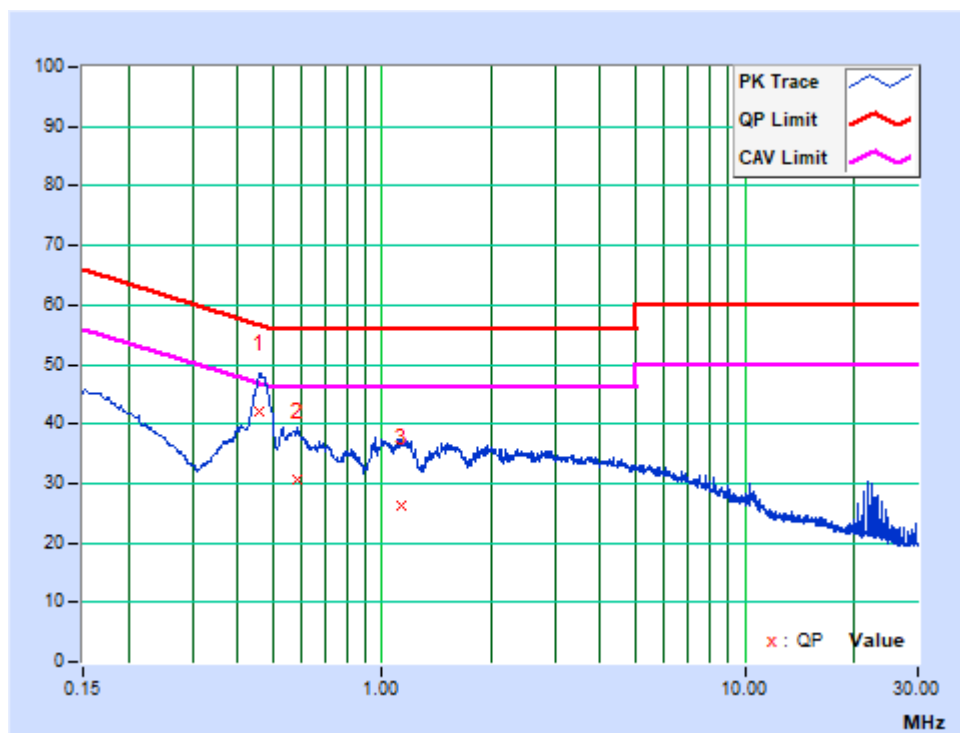
REMARKS: The emission levels of other frequencies were very low against the limit.



PHASE	Neutral	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.45825	9.79	32.32	23.14	42.11	32.93	56.72	46.72	-14.62	-13.80
2	0.58374	9.80	20.89	11.32	30.69	21.12	56.00	46.00	-25.31	-24.88
3	1.12425	9.84	16.55	7.70	26.39	17.54	56.00	46.00	-29.61	-28.46

REMARKS: The emission levels of other frequencies were very low against the limit.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Oct. 09, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	Apr. 08, 27
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	Apr. 13, 27
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Feb. 12, 27
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-554	Dec. 14, 26
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	0085519	Oct. 11, 26
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	Apr. 19, 27
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 16, 27
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	Feb. 12, 27
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Oct. 10, 26

NOTES:

1. The test was performed in 966 Chamber.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site registration No. is 749762, and the designation number is CN1174.

4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. For below 1GHz was used bilog antenna, and above 1GHz was used horn antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT, and the centre of the loop shall be 1.3m above the ground.
- a. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

NOTE:

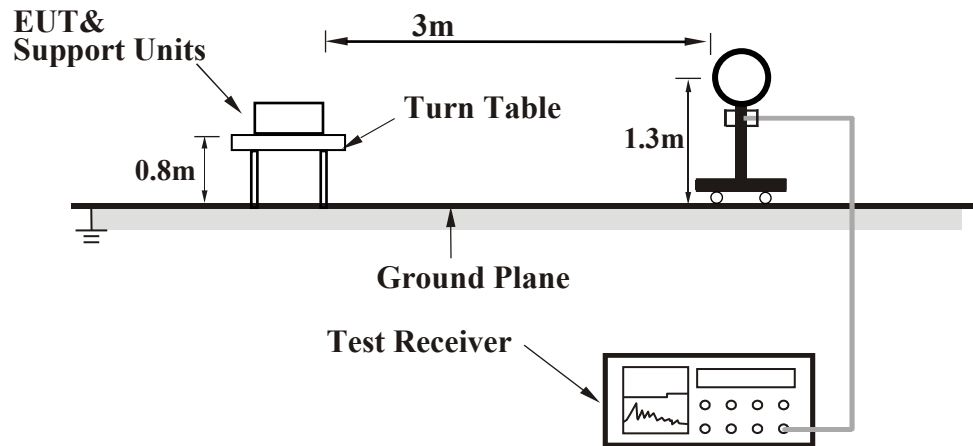
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The testing of the EUT was performed on all 3 orthogonal axes, the worst-case test configuration was reported on the file test setup photo.

4.2.4 DEVIATION FROM TEST STANDARD

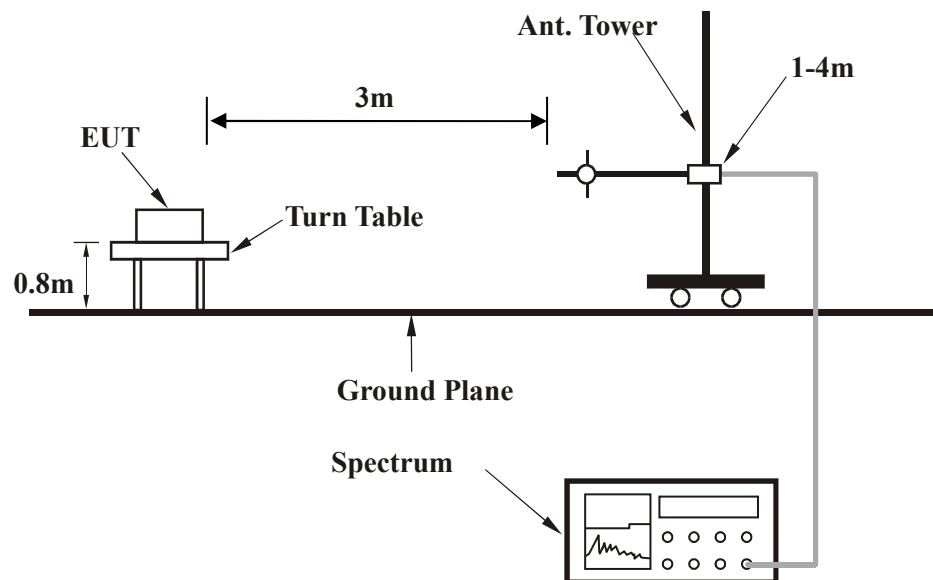
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup

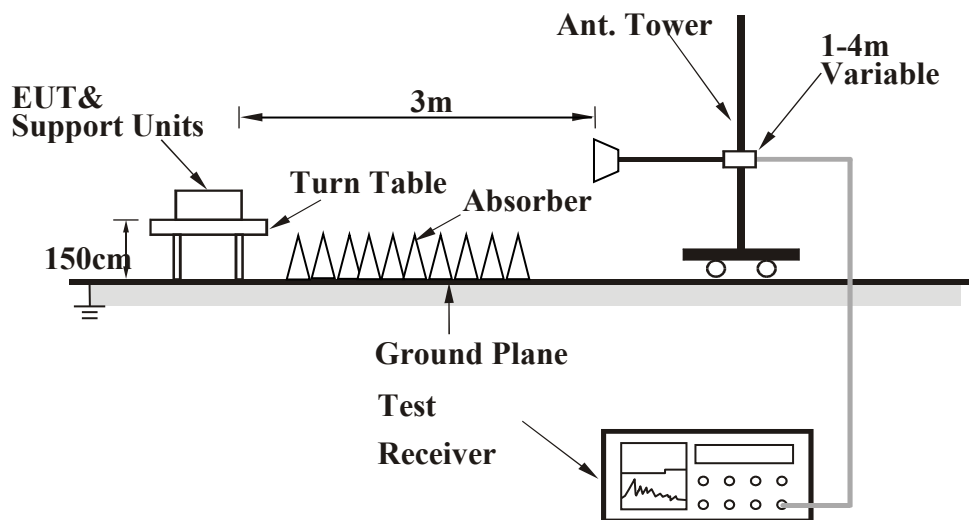


Below 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

Above 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT OPERATING CONDITIONS

- Set the EUT under full load condition and placed them on a testing table.
- Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the EUT in full functions.

4.2.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

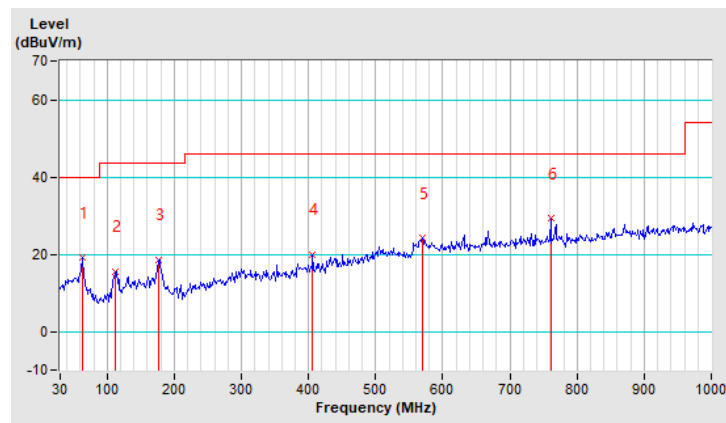
802.11b

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	62.64	19.05 QP	40.00	-20.95	1.14 H	30	36.56	-17.51
2	112.39	15.46 QP	43.50	-28.04	1.27 H	43	35.00	-19.54
3	176.12	18.44 QP	43.50	-25.06	1.39 H	55	36.21	-17.77
4	406.19	19.91 QP	46.00	-26.09	1.53 H	68	32.83	-12.92
5	569.41	24.13 QP	46.00	-21.87	1.67 H	82	33.44	-9.31
6	760.61	29.21 QP	46.00	-16.79	1.80 H	95	35.14	-5.93

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.

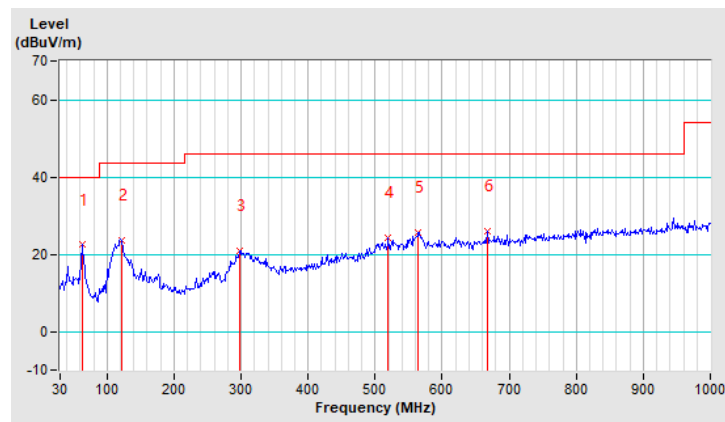


CHANNEL	TX Channel 1	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	62.64	22.42 QP	40.00	-17.58	1.54 V	94	39.93	-17.51
2	121.71	23.60 QP	43.50	-19.90	1.68 V	108	42.18	-18.58
3	297.37	20.94 QP	46.00	-25.06	1.40 V	80	36.86	-15.92
4	519.66	24.27 QP	46.00	-21.73	1.11 V	51	34.79	-10.52
5	564.74	25.73 QP	46.00	-20.27	1.25 V	65	35.21	-9.48
6	667.34	26.00 QP	46.00	-20.00	1.02 V	38	33.43	-7.43

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.



ABOVE 1GHz DATA
802.11b

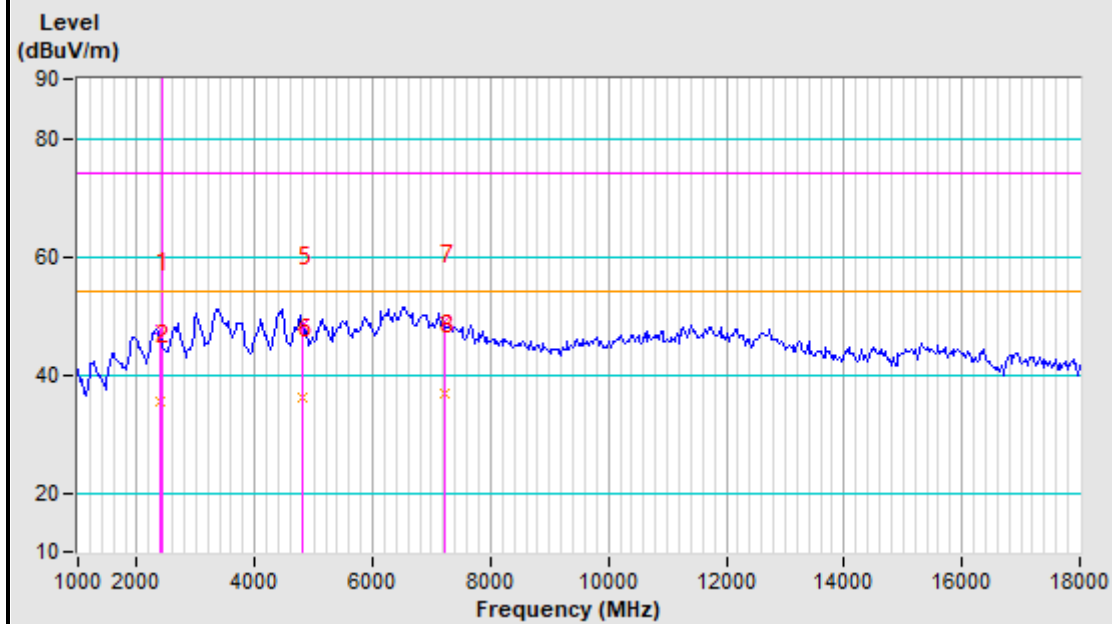
CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	47.52 PK	74.00	-26.48	1.24 H	135	45.27	2.25
2	2390.00	35.30 AV	54.00	-18.70	1.24 H	135	33.05	2.25
3	*2412.00	103.65 PK			1.88 H	56	101.36	2.29
4	*2412.00	94.42 AV			1.88 H	56	92.13	2.29
5	4824.00	48.31 PK	74.00	-25.69	1.44 H	92	42.46	5.85
6	4824.00	36.05 AV	54.00	-17.95	1.44 H	92	30.20	5.85
7	7236.00	48.86 PK	74.00	-25.14	1.63 H	321	41.02	7.84
8	7236.00	36.71 AV	54.00	-17.29	1.63 H	321	28.87	7.84
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	48.63 PK	74.00	-25.37	1.35 V	55	46.38	2.25
2	2390.00	36.91 AV	54.00	-17.09	1.35 V	55	34.66	2.25
3	*2412.00	104.24 PK			1.52 V	114	101.95	2.29
4	*2412.00	98.17 AV			1.52 V	114	95.88	2.29
5	4824.00	48.31 PK	74.00	-25.69	1.20 V	113	42.46	5.85
6	4824.00	35.92 AV	54.00	-18.08	1.20 V	113	30.07	5.85
7	7236.00	48.81 PK	74.00	-25.19	1.21 V	125	40.97	7.84
8	7236.00	36.26 AV	54.00	-17.74	1.21 V	125	28.42	7.84

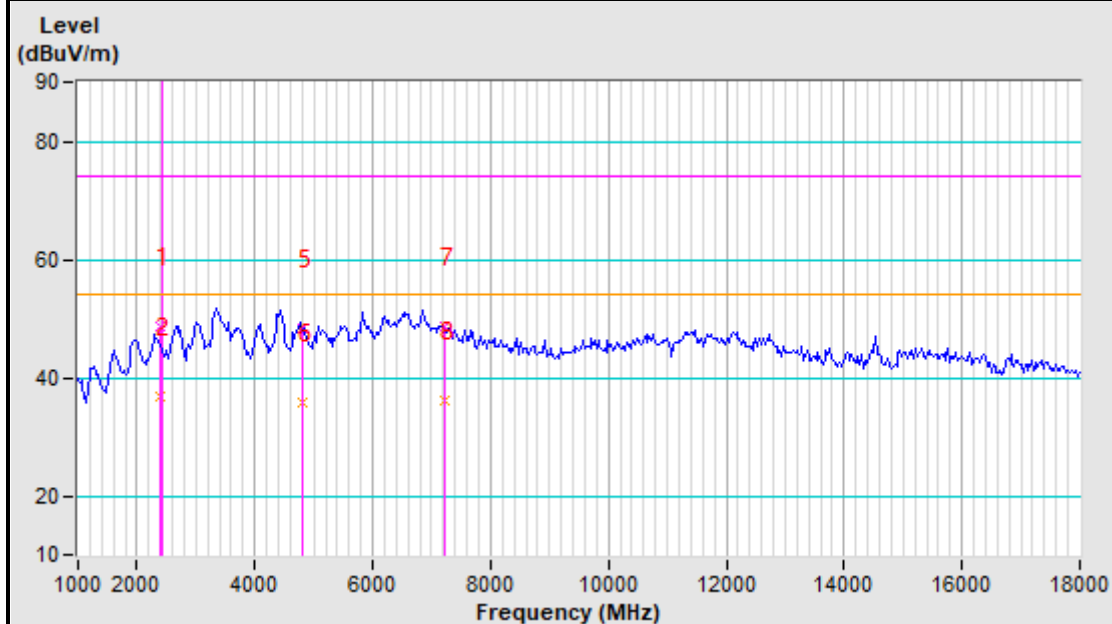
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2412MHz Horizontal

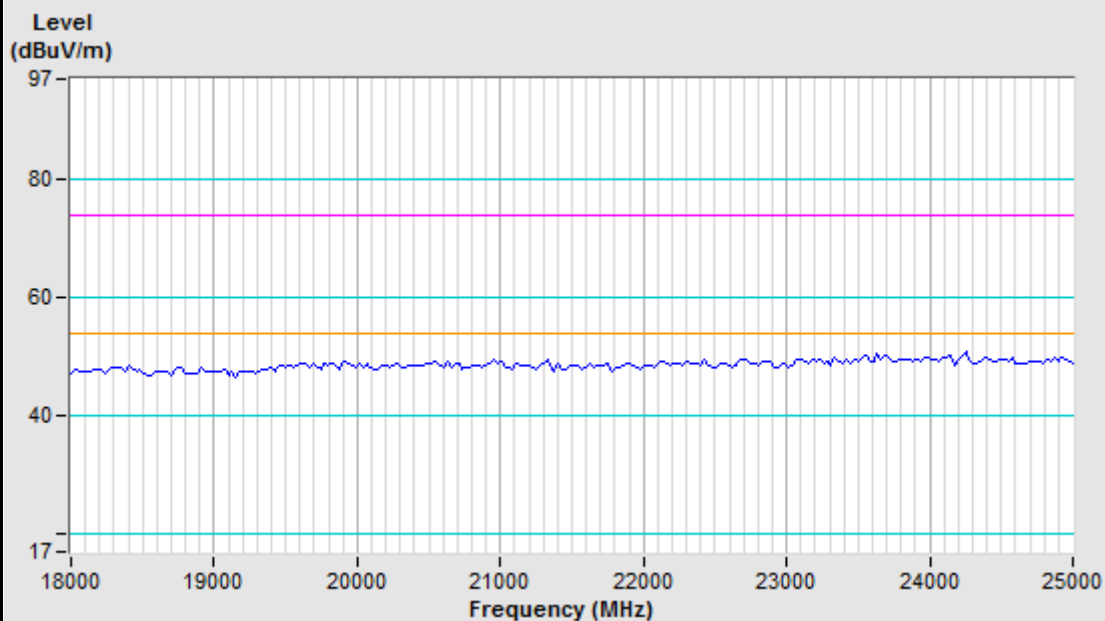


2412MHz Vertical

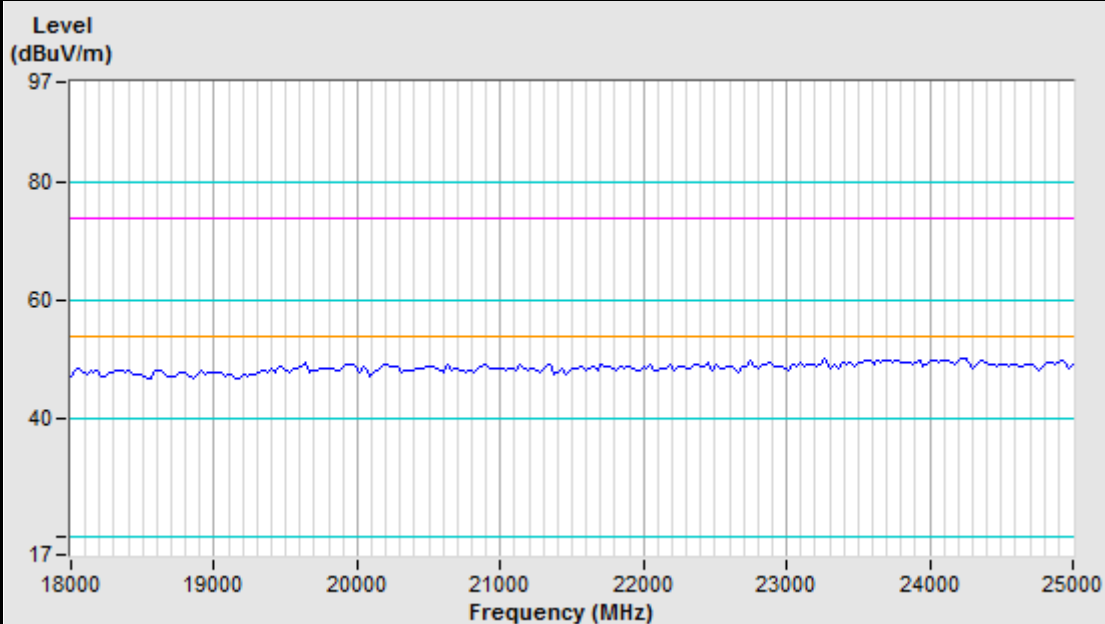


Note: When the harmonic frequency test a fundamental frequency filter is used.

2412MHz Horizontal



2412MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

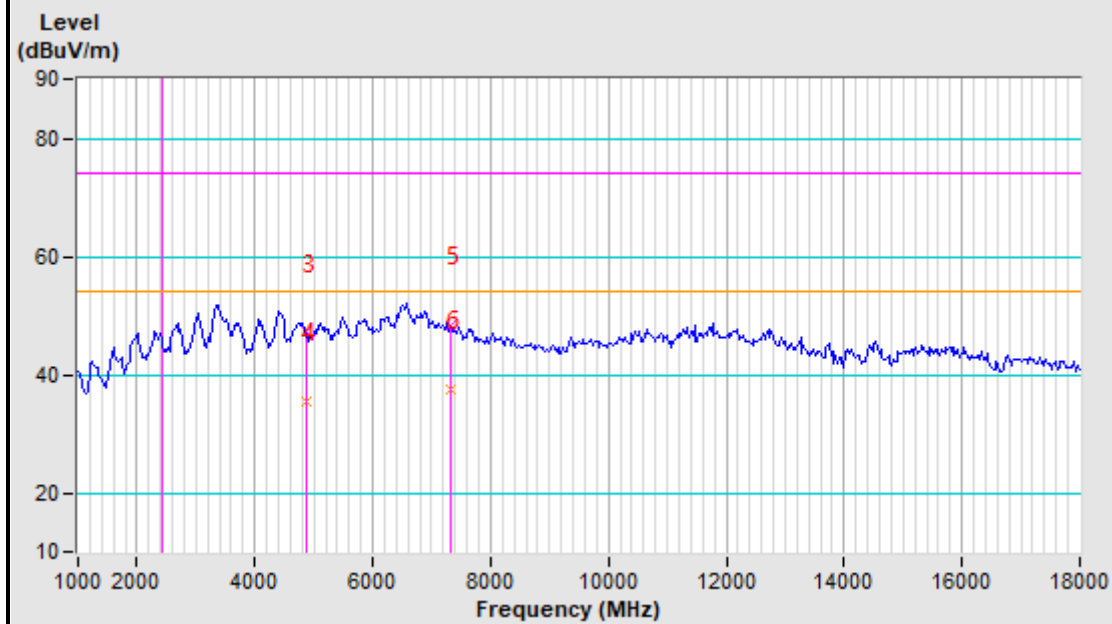
CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	99.86 PK			1.33 H	24	97.55	2.31
2	*2437.00	92.45 AV			1.33 H	24	90.14	2.31
3	4874.00	47.15 PK	74.00	-26.85	1.52 H	130	41.41	5.74
4	4874.00	35.51 AV	54.00	-18.49	1.52 H	130	29.77	5.74
5	7311.00	48.32 PK	74.00	-25.68	1.55 H	241	40.73	7.59
6	7311.00	37.60 AV	54.00	-16.40	1.55 H	241	30.01	7.59
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	100.51 PK			2.51 V	33	98.20	2.31
2	*2437.00	93.91 AV			2.51 V	33	91.60	2.31
3	4874.00	47.56 PK	74.00	-26.44	1.05 V	114	41.82	5.74
4	4874.00	35.84 AV	54.00	-18.16	1.05 V	114	30.10	5.74
5	7311.00	48.12 PK	74.00	-25.88	1.88 V	21	40.53	7.59
6	7311.00	37.54 AV	54.00	-16.46	1.88 V	21	29.95	7.59

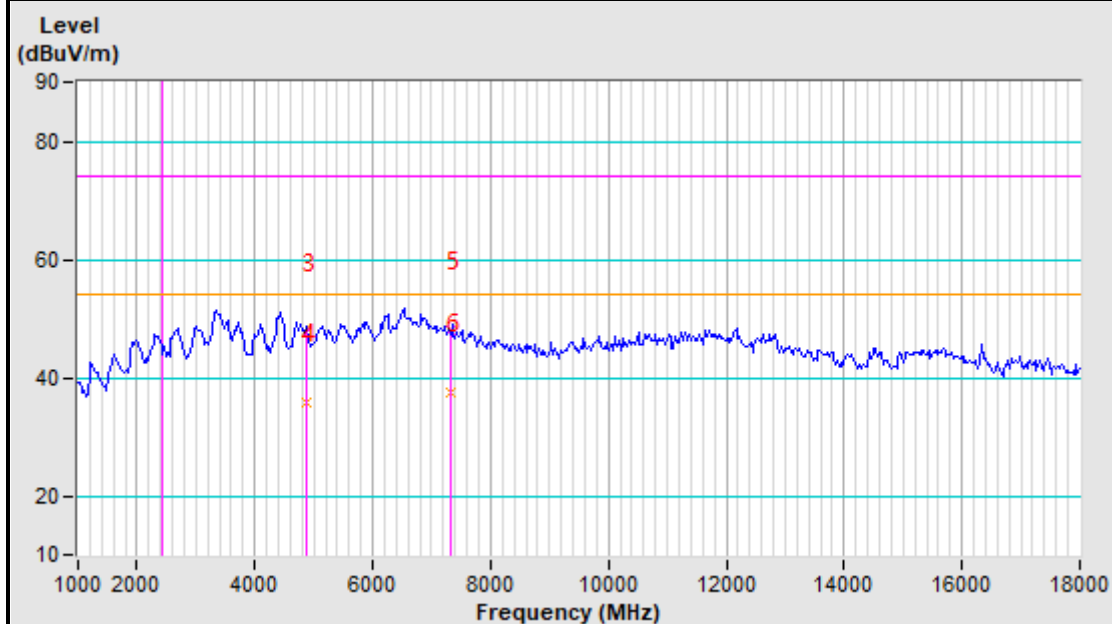
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2437MHz Horizontal

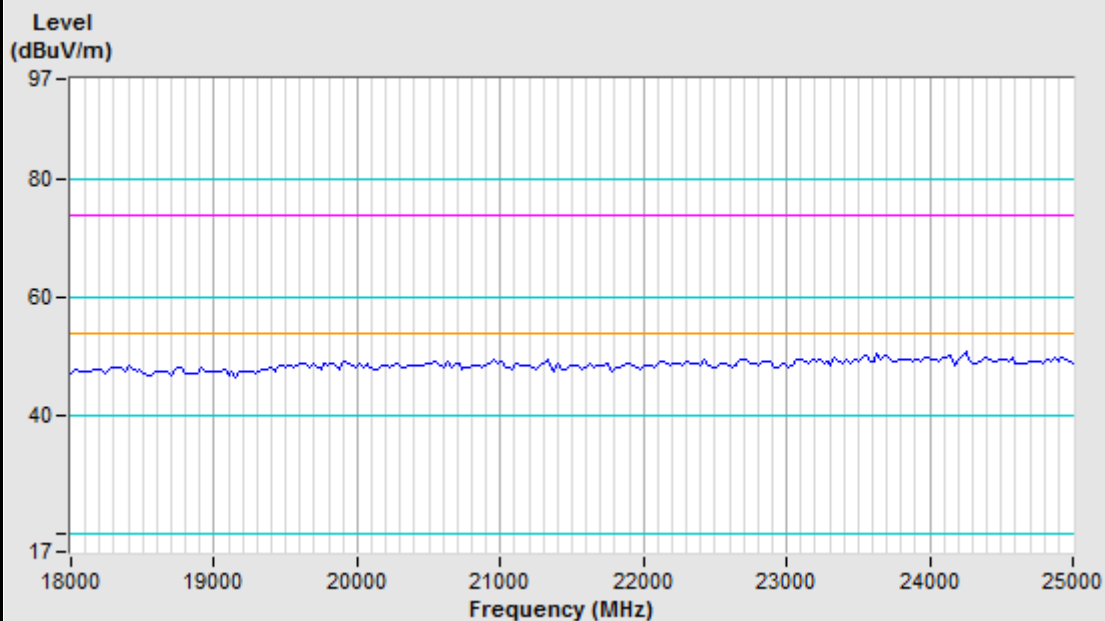


2437MHz Vertical

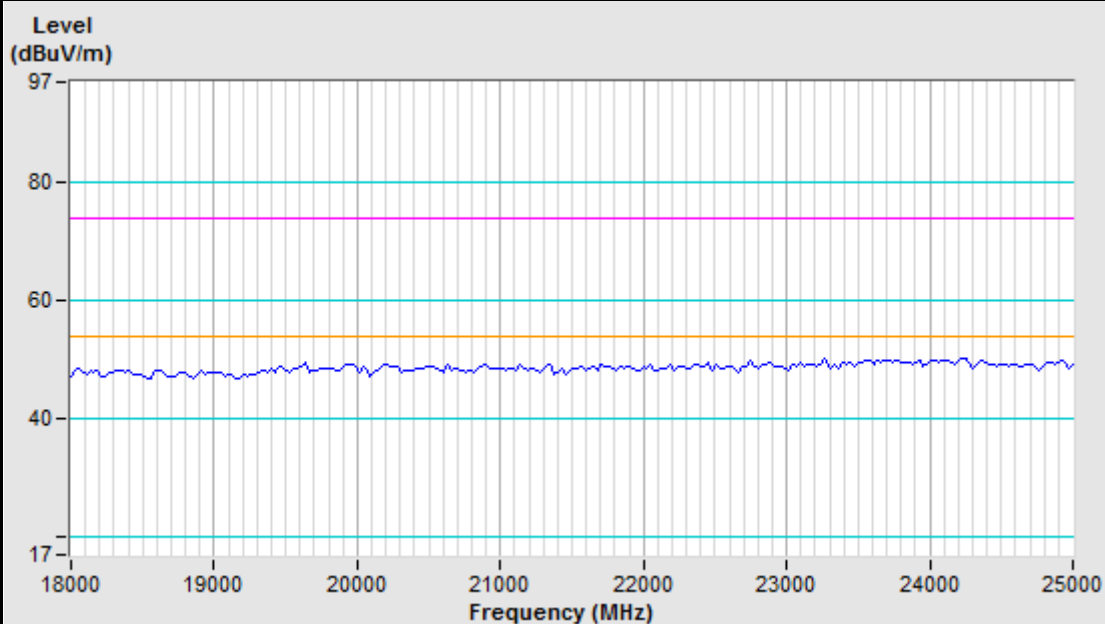


Note: When the harmonic frequency test a fundamental frequency filter is used.

2437MHz Horizontal



2437MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

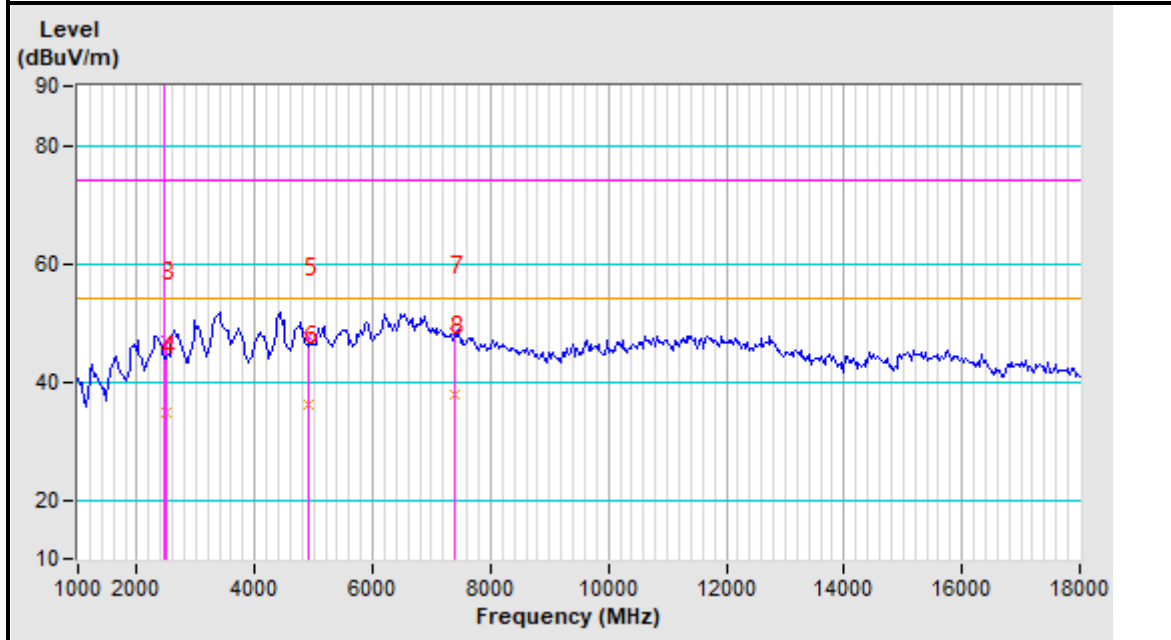
CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	99.15 PK			1.35 H	228	96.81	2.34
2	*2462.00	92.24 AV			1.35 H	228	89.90	2.34
3	2483.50	46.91 PK	74.00	-27.09	1.74 H	48	44.55	2.36
4	2483.50	34.61 AV	54.00	-19.39	1.74 H	48	32.25	2.36
5	4924.00	47.75 PK	74.00	-26.25	1.36 H	58	42.11	5.64
6	4924.00	36.24 AV	54.00	-17.76	1.36 H	58	30.60	5.64
7	7386.00	48.17 PK	74.00	-25.83	1.66 H	32	40.82	7.35
8	7386.00	37.85 AV	54.00	-16.15	1.66 H	32	30.50	7.35
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	99.49 PK			1.42 V	135	97.15	2.34
2	*2462.00	92.90 AV			1.42 V	135	90.56	2.34
3	2483.50	47.19 PK	74.00	-26.81	1.42 V	211	44.83	2.36
4	2483.50	34.97 AV	54.00	-19.03	1.42 V	211	32.61	2.36
5	4924.00	47.61 PK	74.00	-26.39	1.86 V	59	41.97	5.64
6	4924.00	35.15 AV	54.00	-18.85	1.86 V	59	29.51	5.64
7	7386.00	48.34 PK	74.00	-25.66	1.94 V	153	40.99	7.35
8	7386.00	37.65 AV	54.00	-16.35	1.94 V	153	30.30	7.35

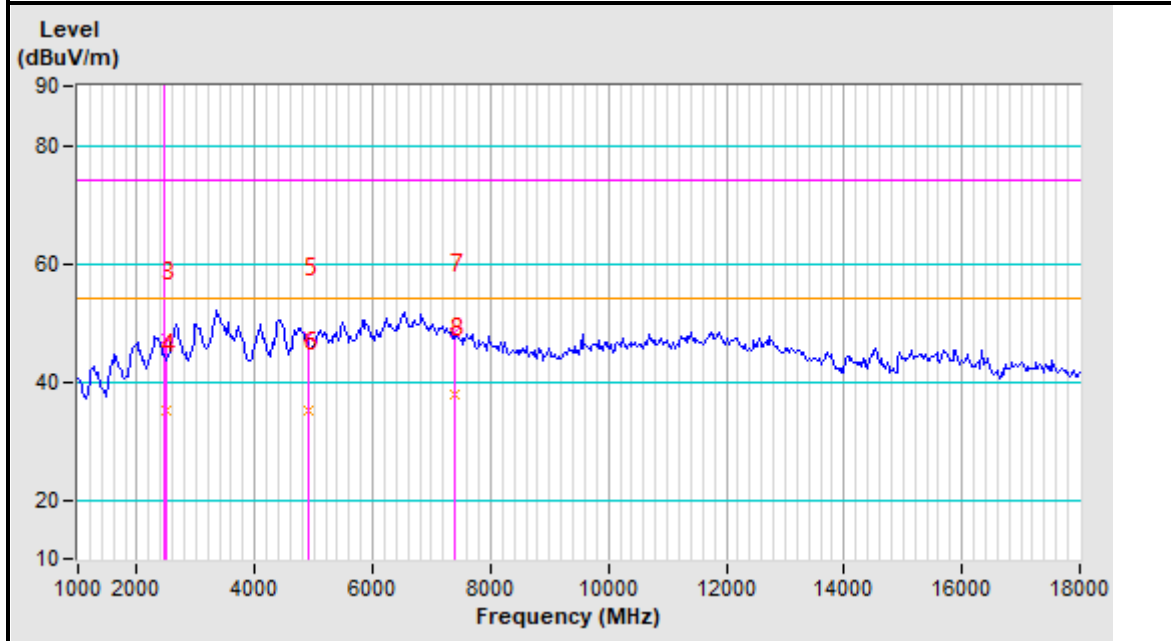
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2462MHz Horizontal

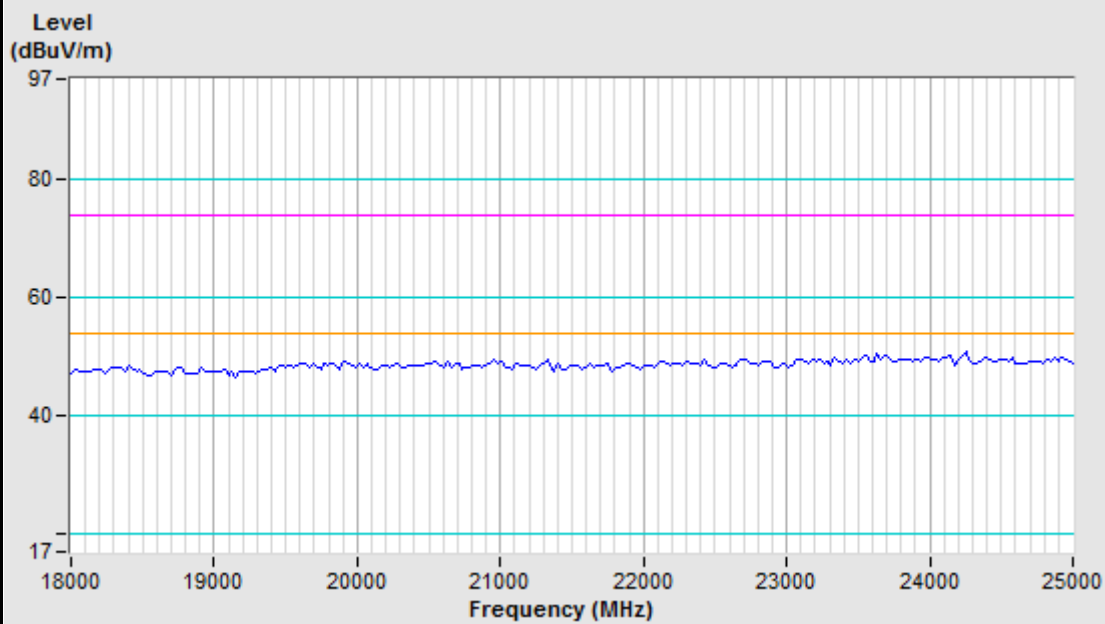


2462MHz Vertical

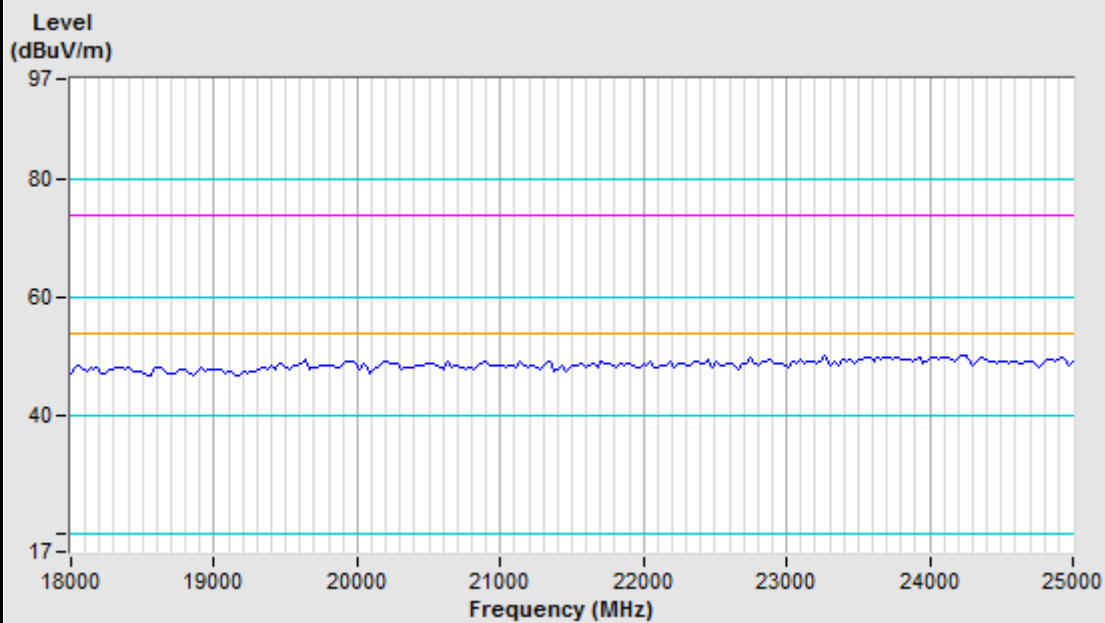


Note: When the harmonic frequency test a fundamental frequency filter is used.

2462MHz Horizontal



2462MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11g

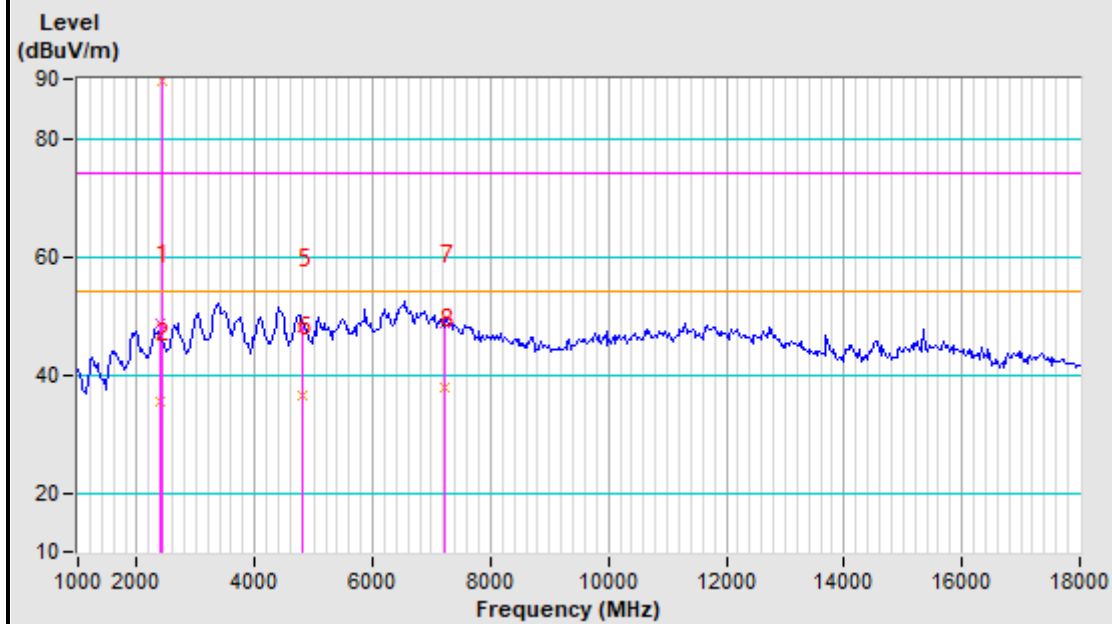
CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	48.71 PK	74.00	-25.29	1.63 H	223	46.46	2.25
2	2390.00	35.59 AV	54.00	-18.41	1.63 H	223	33.34	2.25
3	*2412.00	104.78 PK			1.45 H	211	102.49	2.29
4	*2412.00	89.73 AV			1.45 H	211	87.44	2.29
5	4824.00	48.03 PK	74.00	-25.97	1.77 H	59	42.18	5.85
6	4824.00	36.61 AV	54.00	-17.39	1.77 H	59	30.76	5.85
7	7236.00	48.67 PK	74.00	-25.33	1.33 H	210	40.83	7.84
8	7236.00	37.91 AV	54.00	-16.09	1.33 H	210	30.07	7.84
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	48.24 PK	74.00	-25.76	1.22 V	177	45.99	2.25
2	2390.00	36.09 AV	54.00	-17.91	1.22 V	177	33.84	2.25
3	*2412.00	102.71 PK			1.32 V	118	100.42	2.29
4	*2412.00	90.31 AV			1.32 V	118	88.02	2.29
5	4824.00	48.61 PK	74.00	-25.39	1.42 V	65	42.76	5.85
6	4824.00	36.25 AV	54.00	-17.75	1.42 V	65	30.40	5.85
7	7236.00	48.84 PK	74.00	-25.16	1.33 V	251	41.00	7.84
8	7236.00	37.66 AV	54.00	-16.34	1.33 V	251	29.82	7.84

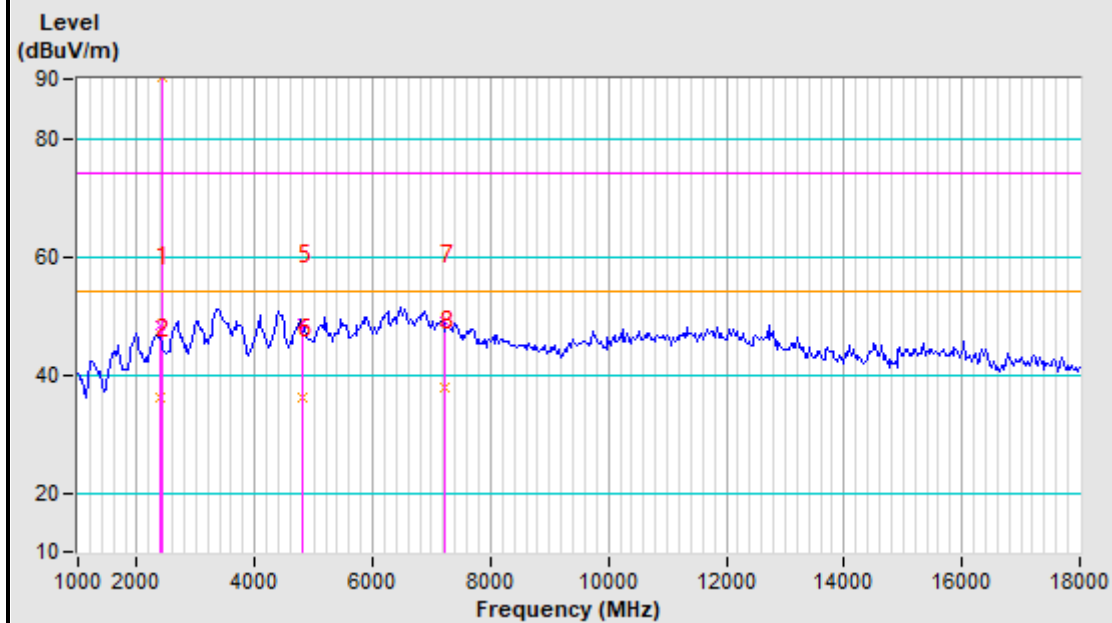
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2412MHz Horizontal

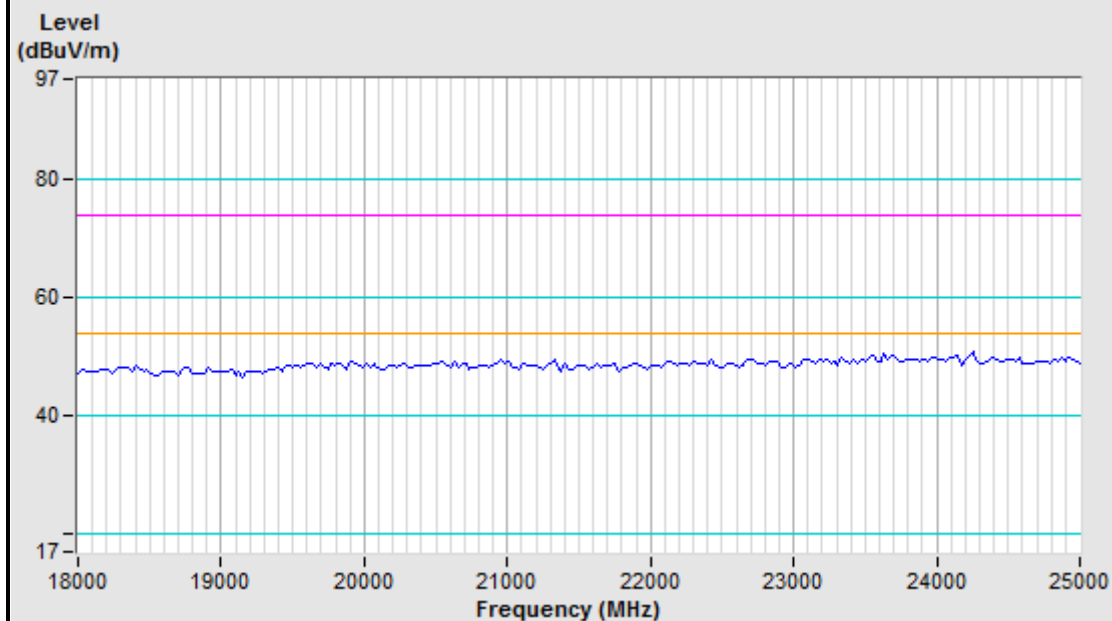


2412MHz Vertical

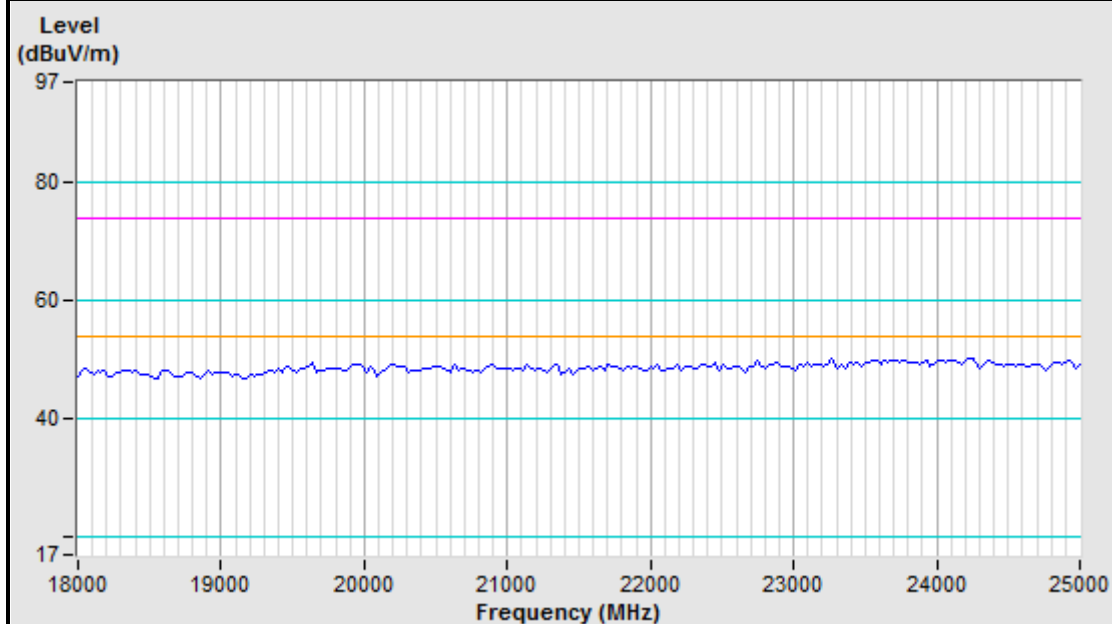


Note: When the harmonic frequency test a fundamental frequency filter is used.

2412MHz Horizontal



2412MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

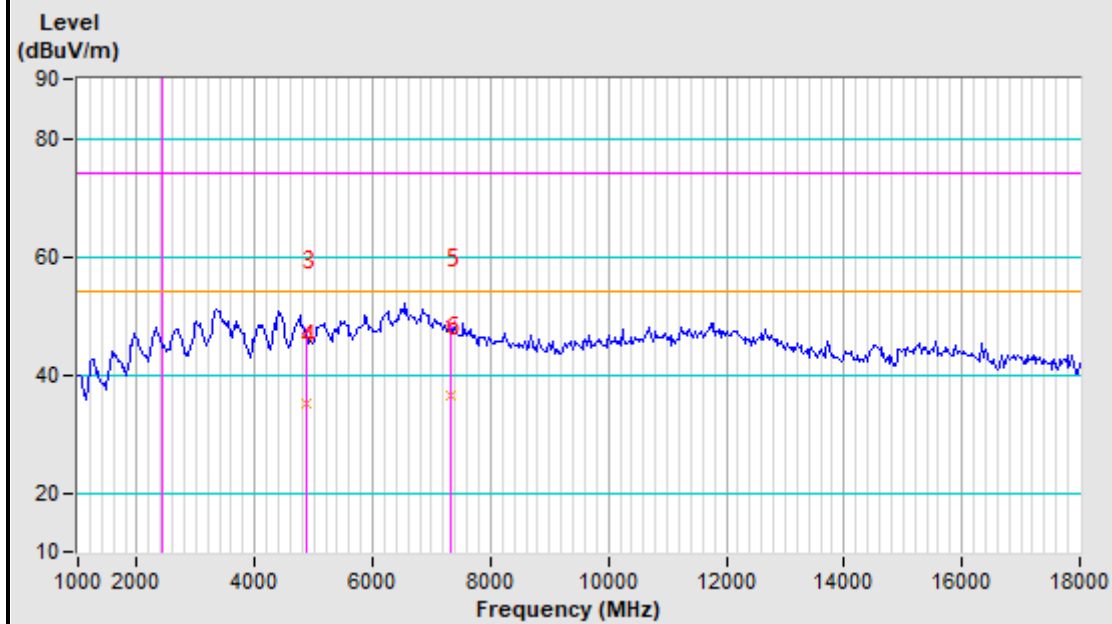
CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	105.13 PK			1.75 H	223	102.82	2.31
2	*2437.00	91.15 AV			1.75 H	223	88.84	2.31
3	4874.00	47.75 PK	74.00	-26.25	1.66 H	320	42.01	5.74
4	4874.00	35.08 AV	54.00	-18.92	1.66 H	320	29.34	5.74
5	7311.00	48.15 PK	74.00	-25.85	1.25 H	133	40.56	7.59
6	7311.00	36.61 AV	54.00	-17.39	1.25 H	133	29.02	7.59
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	103.44 PK			1.88 V	51	101.13	2.31
2	*2437.00	90.56 AV			1.88 V	51	88.25	2.31
3	4874.00	47.79 PK	74.00	-26.21	1.39 V	54	42.05	5.74
4	4874.00	35.84 AV	54.00	-18.16	1.39 V	54	30.10	5.74
5	7311.00	48.57 PK	74.00	-25.43	1.33 V	312	40.98	7.59
6	7311.00	36.80 AV	54.00	-17.20	1.33 V	312	29.21	7.59

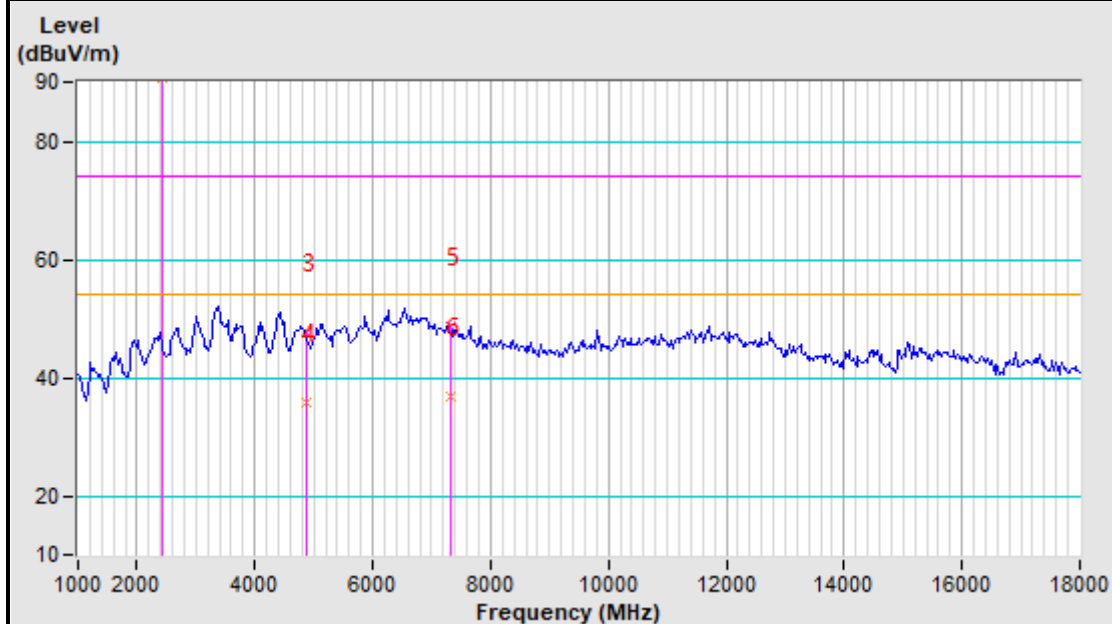
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2437MHz Horizontal

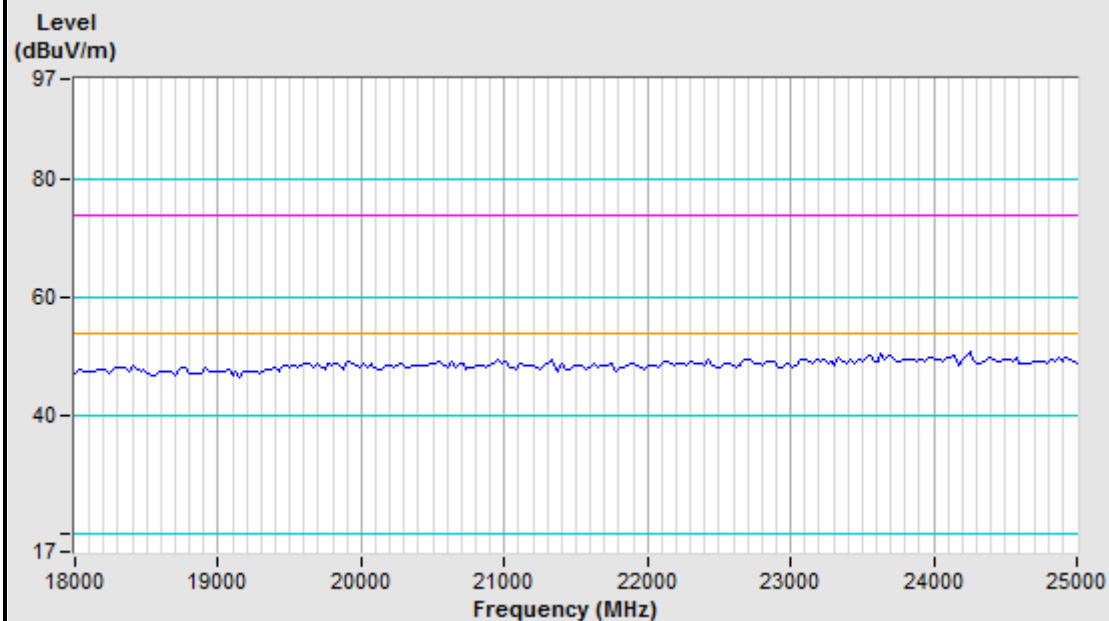


2437MHz Vertical

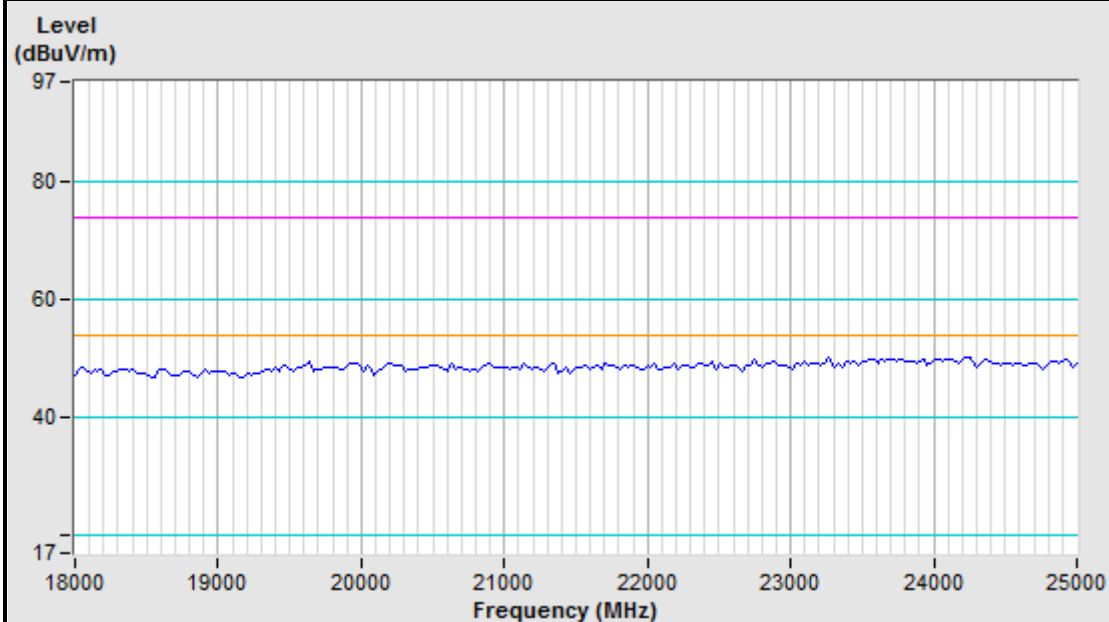


Note: When the harmonic frequency test a fundamental frequency filter is used.

2437MHz Horizontal



2437MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

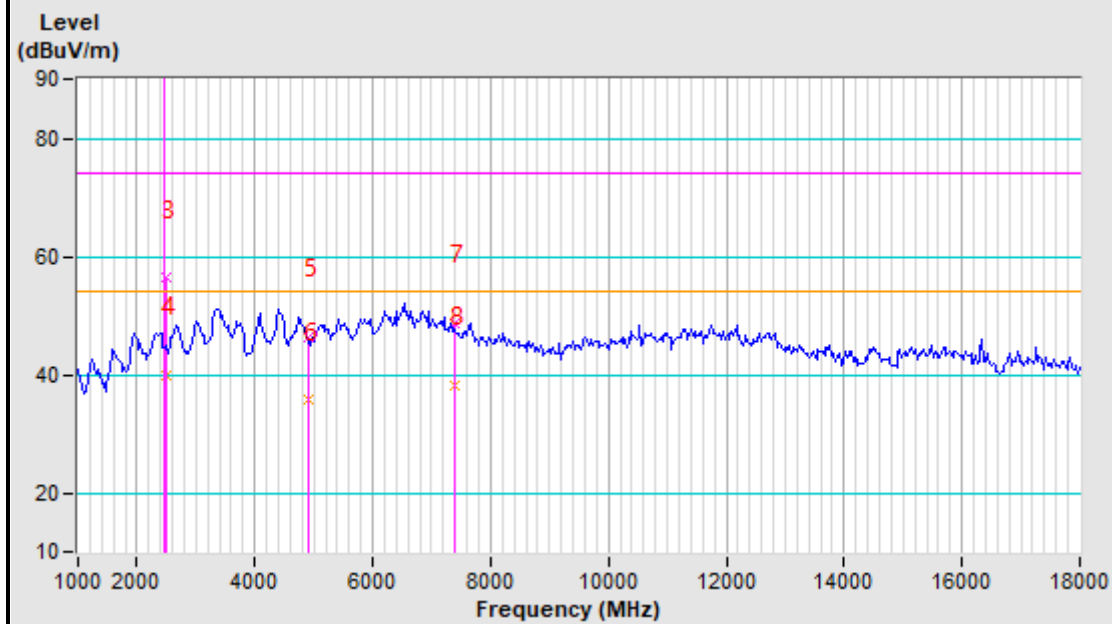
CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	106.98 PK			1.77 H	25	104.64	2.34
2	*2462.00	94.51 AV			1.77 H	25	92.17	2.34
3	2483.50	56.29 PK	74.00	-17.71	1.44 H	248	53.93	2.36
4	2483.50	40.00 AV	54.00	-14.00	1.44 H	248	37.64	2.36
5	4924.00	46.28 PK	74.00	-27.72	1.58 H	52	40.64	5.64
6	4924.00	35.66 AV	54.00	-18.34	1.58 H	52	30.02	5.64
7	7386.00	48.67 PK	74.00	-25.33	1.44 H	39	41.32	7.35
8	7386.00	38.24 AV	54.00	-15.76	1.44 H	39	30.89	7.35
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	104.61 PK			1.25 V	33	102.27	2.34
2	*2462.00	93.08 AV			1.25 V	33	90.74	2.34
3	2483.50	55.71 PK	74.00	-18.29	1.44 V	84	53.35	2.36
4	2483.50	39.88 AV	54.00	-14.12	1.44 V	84	37.52	2.36
5	4924.00	46.65 PK	74.00	-27.35	1.99 V	51	41.01	5.64
6	4924.00	35.01 AV	54.00	-18.99	1.99 V	51	29.37	5.64
7	7386.00	48.19 PK	74.00	-25.81	1.42 V	55	40.84	7.35
8	7386.00	36.28 AV	54.00	-17.72	1.42 V	55	28.93	7.35

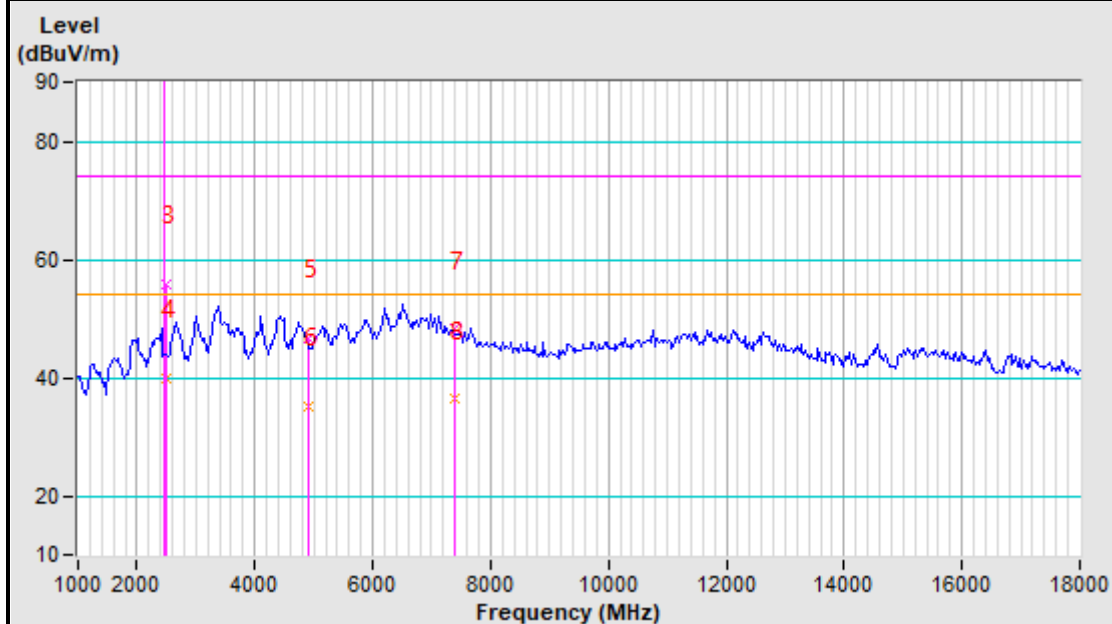
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2462MHz Horizontal

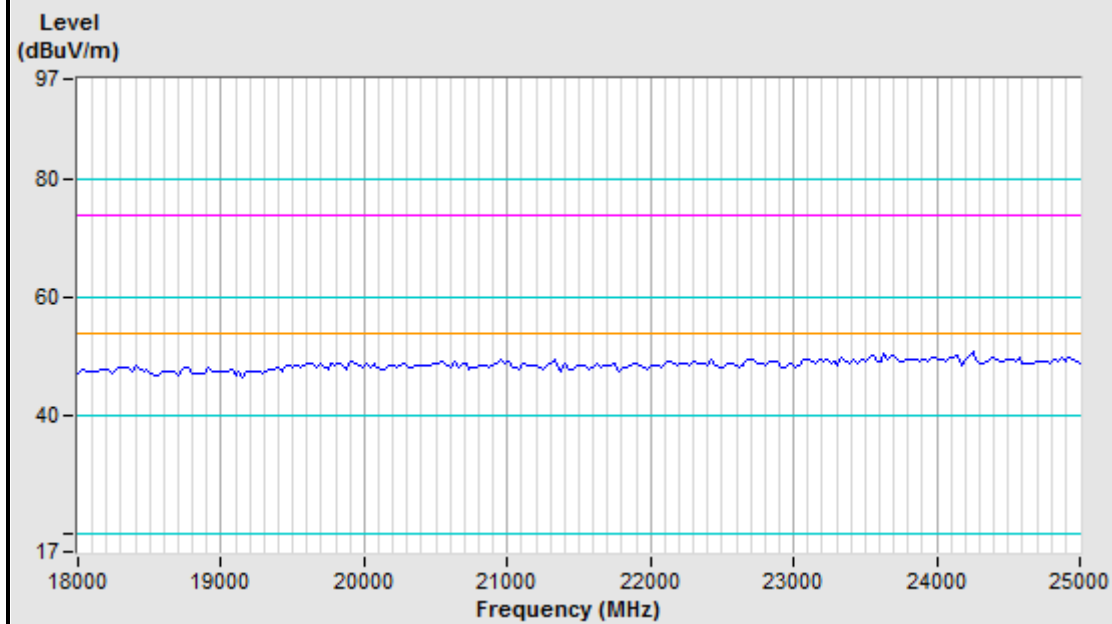


2462MHz Vertical

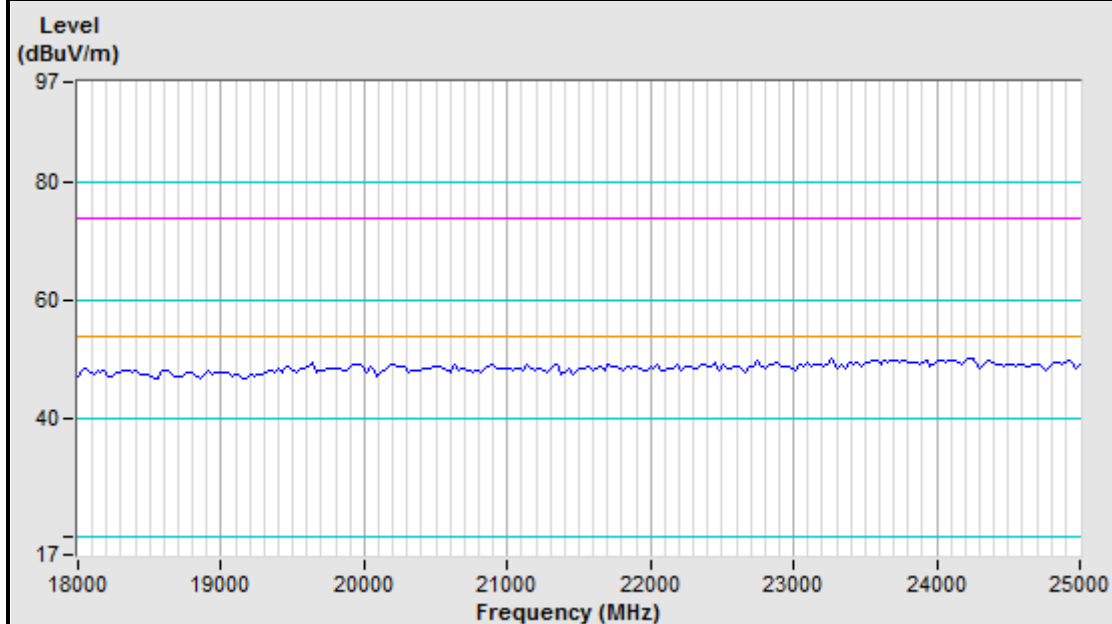


Note: When the harmonic frequency test a fundamental frequency filter is used.

2462MHz Horizontal



2462MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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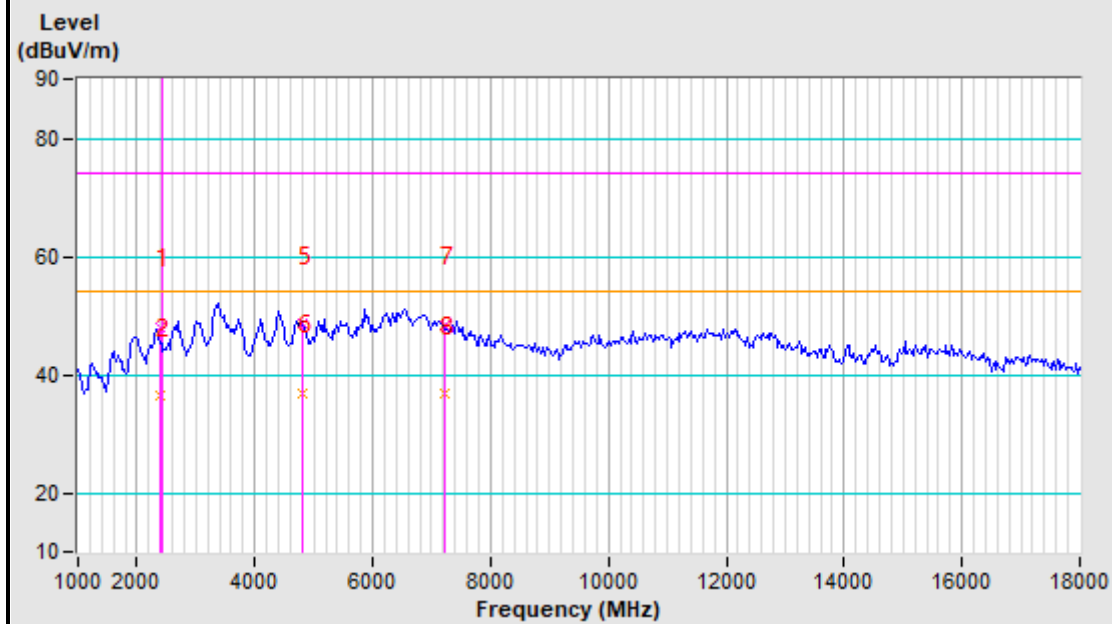
CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	48.08 PK	74.00	-25.92	1.12 H	58	45.83	2.25
2	2390.00	36.30 AV	54.00	-17.70	1.12 H	58	34.05	2.25
3	*2412.00	104.94 PK			1.21 H	215	102.65	2.29
4	*2412.00	94.90 AV			1.21 H	215	92.61	2.29
5	4824.00	48.54 PK	74.00	-25.46	1.60 H	132	42.69	5.85
6	4824.00	36.88 AV	54.00	-17.12	1.60 H	132	31.03	5.85
7	7236.00	48.24 PK	74.00	-25.76	1.55 H	143	40.40	7.84
8	7236.00	36.64 AV	54.00	-17.36	1.55 H	143	28.80	7.84
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	50.56 PK	74.00	-23.44	1.33 V	51	48.31	2.25
2	2390.00	37.90 AV	54.00	-16.10	1.33 V	51	35.65	2.25
3	*2412.00	104.69 PK			1.52 V	112	102.40	2.29
4	*2412.00	93.60 AV			1.52 V	112	91.31	2.29
5	4824.00	47.75 PK	74.00	-26.25	1.55 V	269	41.90	5.85
6	4824.00	36.54 AV	54.00	-17.46	1.55 V	269	30.69	5.85
7	7236.00	48.37 PK	74.00	-25.63	1.96 V	241	40.53	7.84
8	7236.00	37.18 AV	54.00	-16.82	1.96 V	241	29.34	7.84

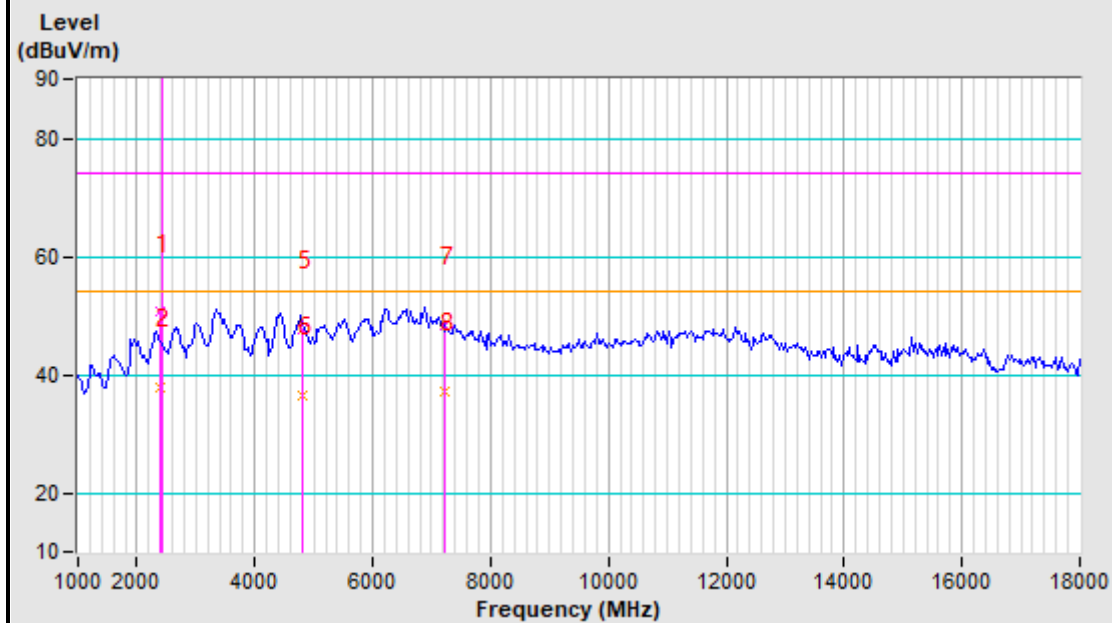
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2412MHz Horizontal

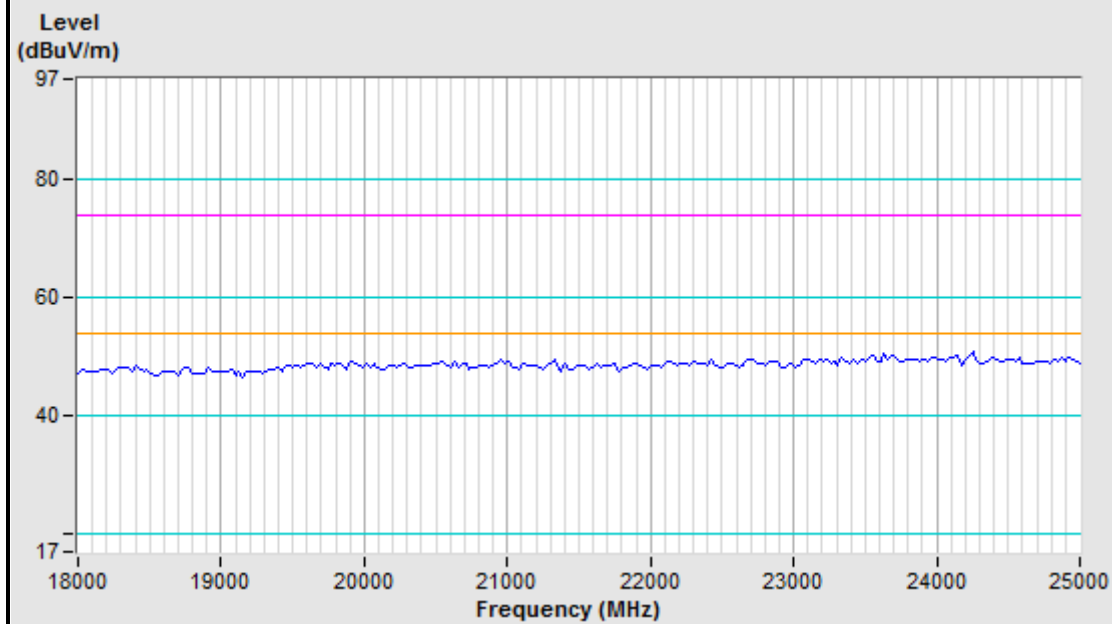


2412MHz Vertical

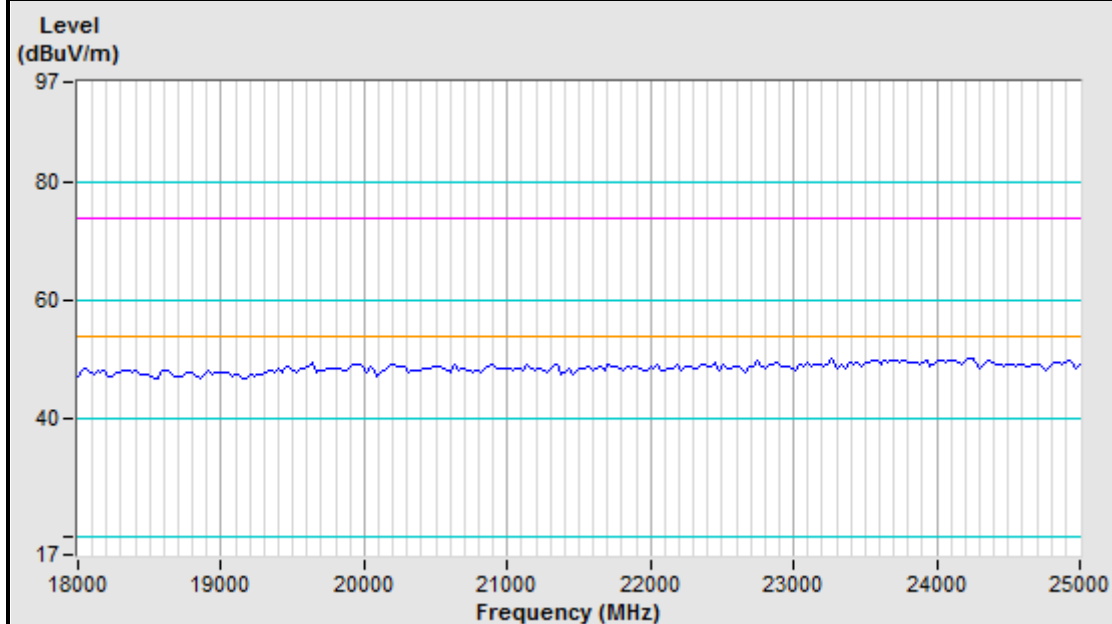


Note: When the harmonic frequency test a fundamental frequency filter is used.

2412MHz Horizontal



2412MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

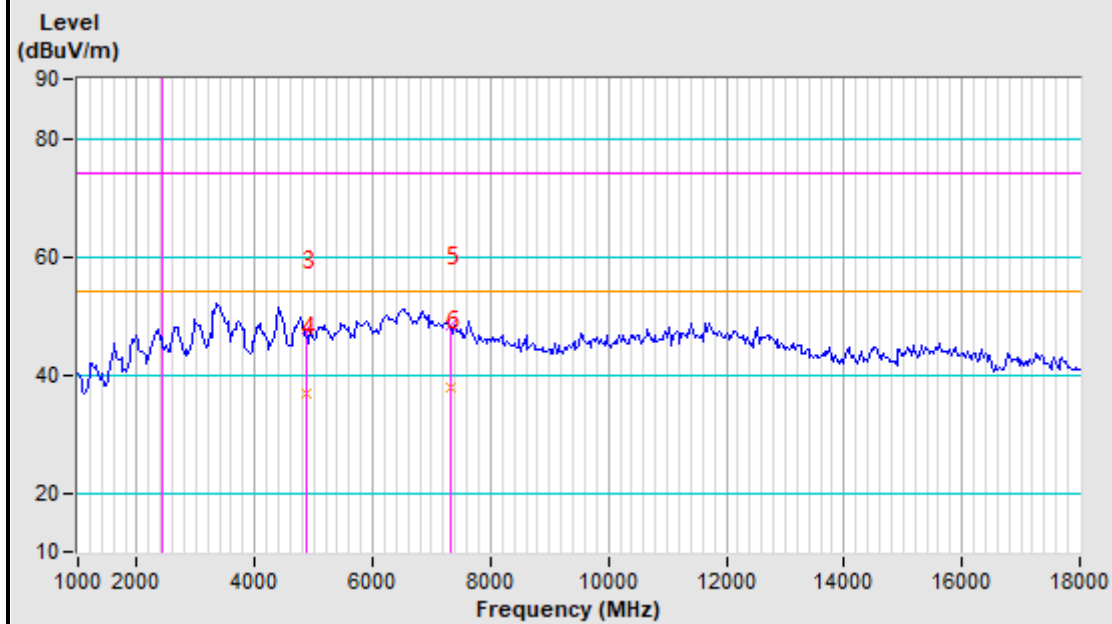
CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	105.92 PK			1.33 H	21	103.61	2.31
2	*2437.00	94.78 AV			1.33 H	21	92.47	2.31
3	4874.00	47.71 PK	74.00	-26.29	1.53 H	218	41.97	5.74
4	4874.00	36.69 AV	54.00	-17.31	1.53 H	218	30.95	5.74
5	7311.00	48.47 PK	74.00	-25.53	1.32 H	217	40.88	7.59
6	7311.00	37.71 AV	54.00	-16.29	1.32 H	217	30.12	7.59
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	104.88 PK			1.74 V	52	102.57	2.31
2	*2437.00	93.95 AV			1.74 V	52	91.64	2.31
3	4874.00	47.71 PK	74.00	-26.29	1.65 V	130	41.97	5.74
4	4874.00	37.55 AV	54.00	-16.45	1.65 V	130	31.81	5.74
5	7311.00	48.25 PK	74.00	-25.75	1.66 V	321	40.66	7.59
6	7311.00	38.06 AV	54.00	-15.94	1.66 V	321	30.47	7.59

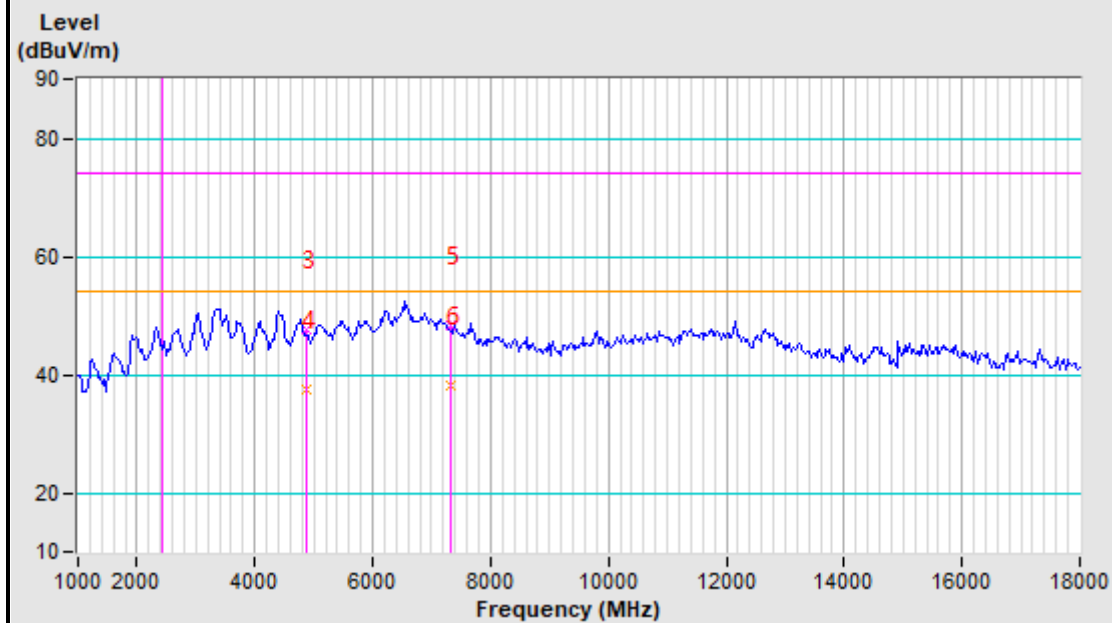
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2437MHz Horizontal

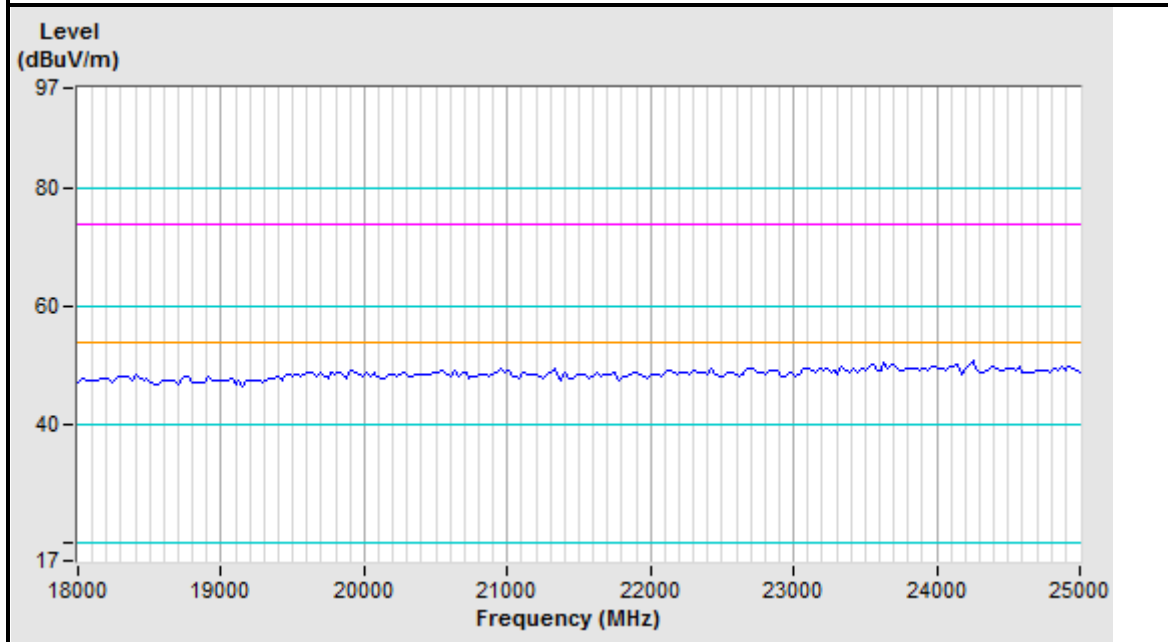


2437MHz Vertical

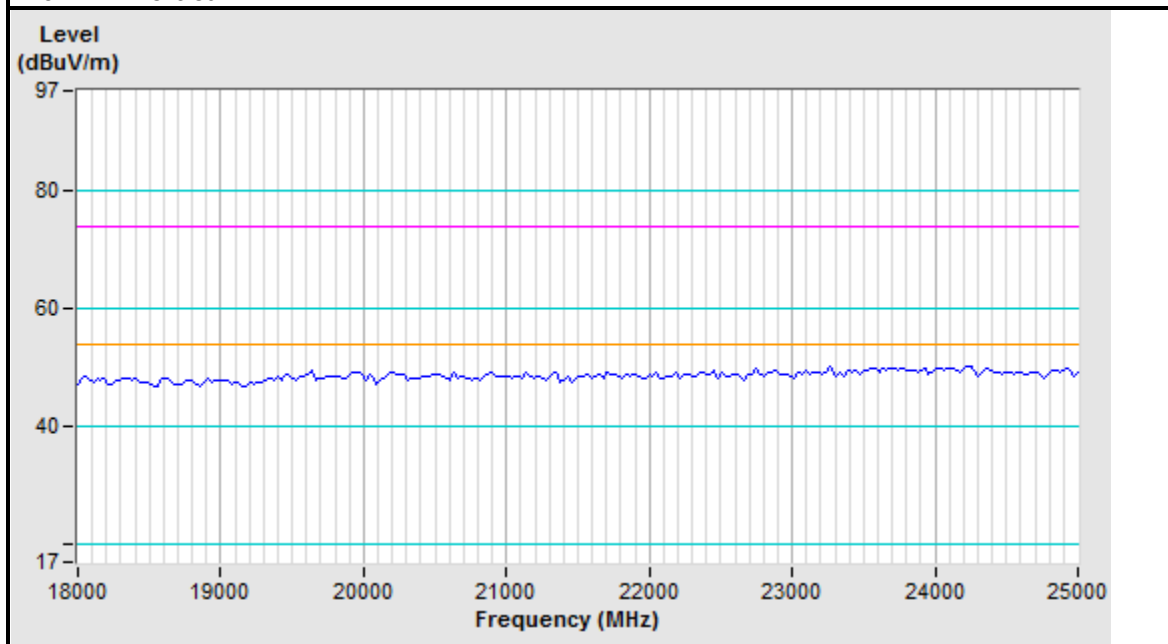


Note: When the harmonic frequency test a fundamental frequency filter is used.

2437MHz Horizontal



2437MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

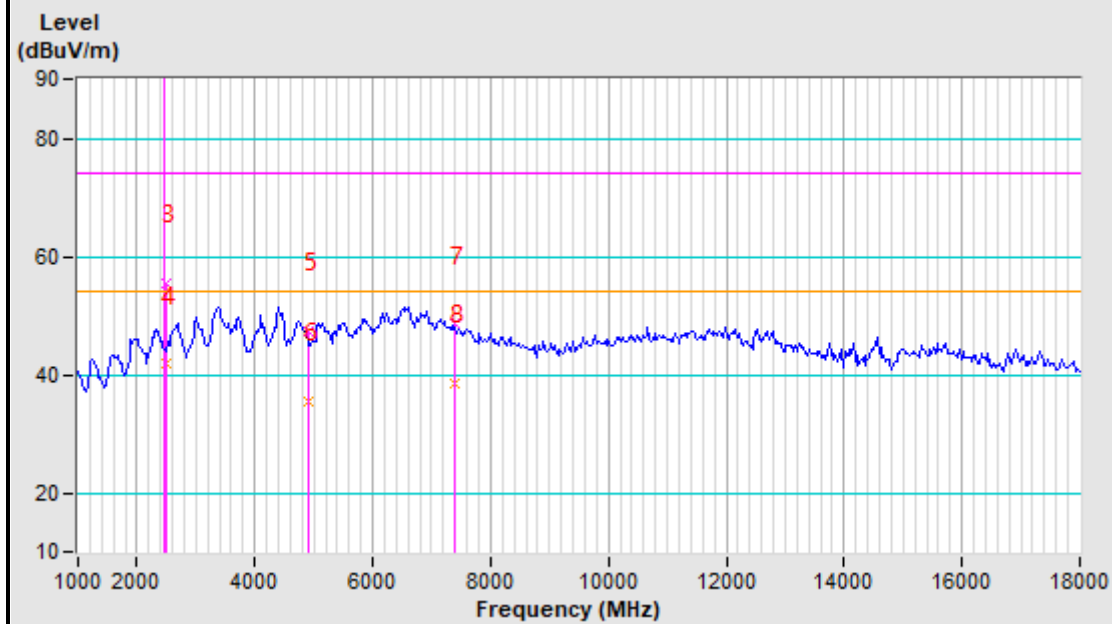
CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	107.97 PK			1.35 H	32	105.63	2.34
2	*2462.00	97.52 AV			1.35 H	32	95.18	2.34
3	2483.50	55.50 PK	74.00	-18.50	1.32 H	124	53.14	2.36
4	2483.50	41.71 AV	54.00	-12.29	1.32 H	124	39.35	2.36
5	4924.00	47.21 PK	74.00	-26.79	1.55 H	36	41.57	5.64
6	4924.00	35.58 AV	54.00	-18.42	1.55 H	36	29.94	5.64
7	7386.00	48.54 PK	74.00	-25.46	1.55 H	69	41.19	7.35
8	7386.00	38.51 AV	54.00	-15.49	1.55 H	69	31.16	7.35
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	106.88 PK			1.36 V	225	104.54	2.34
2	*2462.00	96.99 AV			1.36 V	225	94.65	2.34
3	2483.50	54.92 PK	74.00	-19.08	1.35 V	52	52.56	2.36
4	2483.50	40.67 AV	54.00	-13.33	1.35 V	52	38.31	2.36
5	4924.00	47.57 PK	74.00	-26.43	1.25 V	124	41.93	5.64
6	4924.00	36.61 AV	54.00	-17.39	1.25 V	124	30.97	5.64
7	7386.00	48.29 PK	74.00	-25.71	1.88 V	318	40.94	7.35
8	7386.00	38.62 AV	54.00	-15.38	1.88 V	318	31.27	7.35

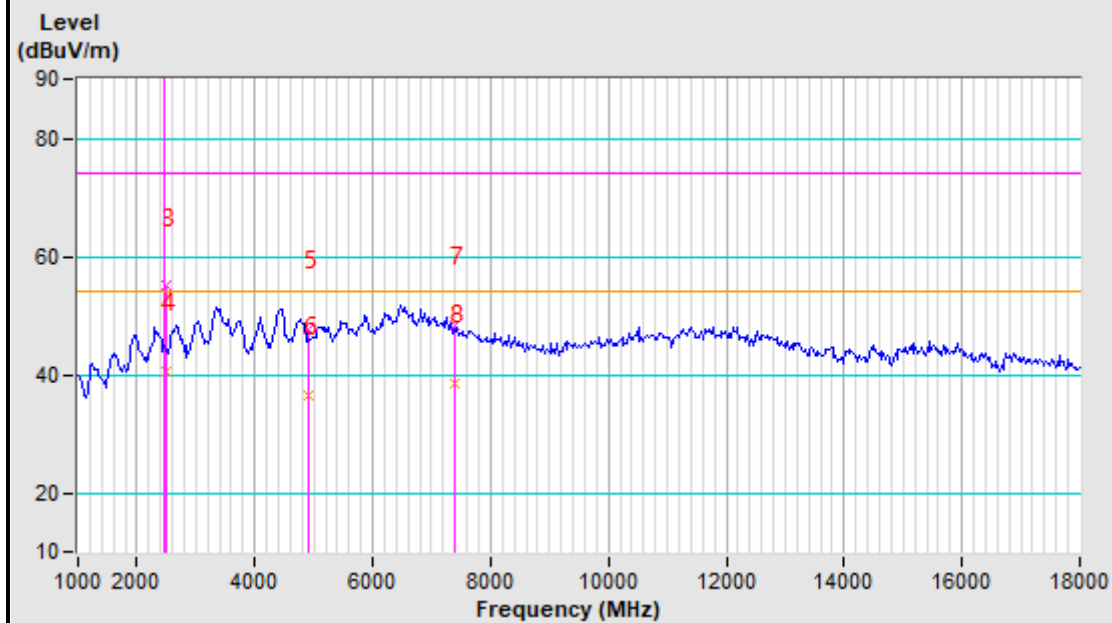
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2462MHz Horizontal

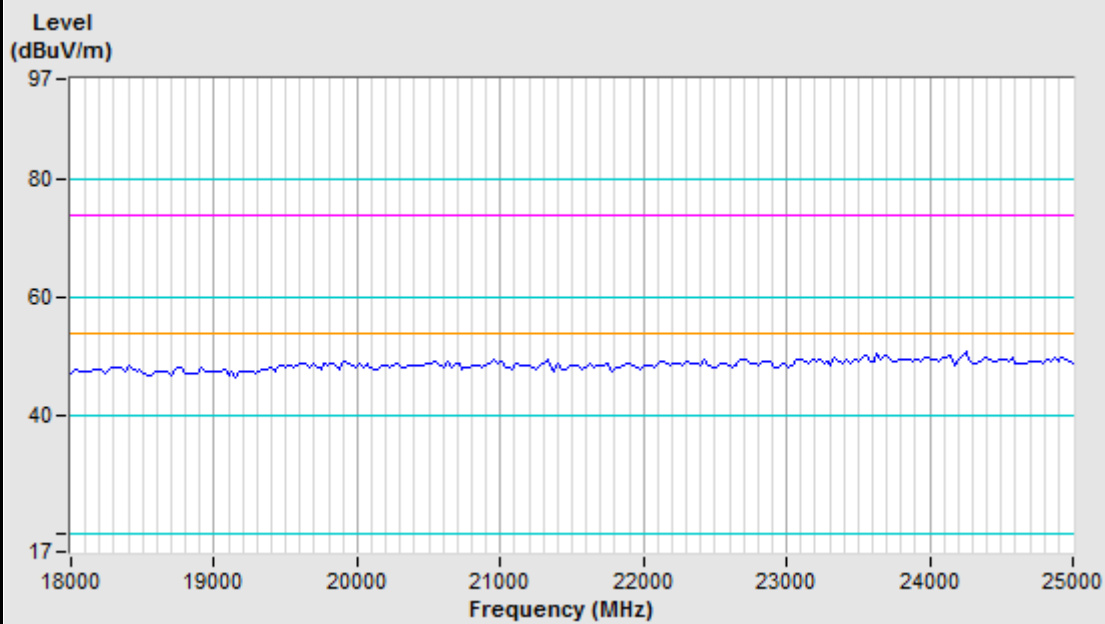


2462MHz Vertical

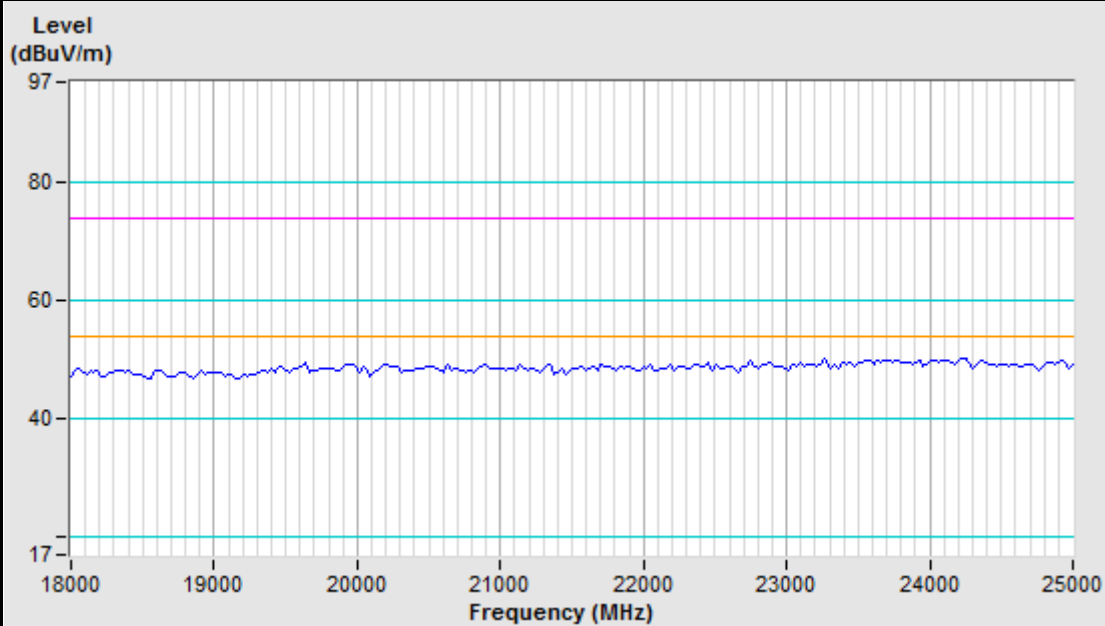


Note: When the harmonic frequency test a fundamental frequency filter is used.

2462MHz Horizontal



2462MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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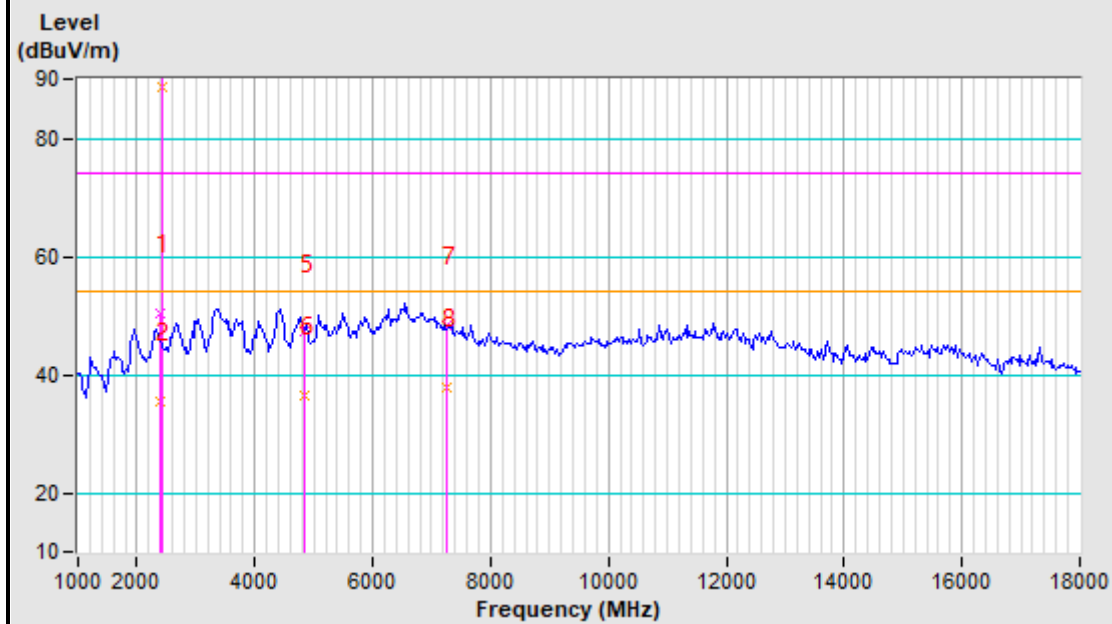
CHANNEL	TX Channel 3	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	50.34 PK	74.00	-23.66	1.63 H	225	48.09	2.25
2	2390.00	35.39 AV	54.00	-18.61	1.63 H	225	33.14	2.25
3	*2422.00	102.89 PK			1.42 H	332	100.60	2.29
4	*2422.00	88.60 AV			1.42 H	332	86.31	2.29
5	4844.00	47.15 PK	74.00	-26.85	1.50 H	218	41.34	5.81
6	4844.00	36.55 AV	54.00	-17.45	1.50 H	218	30.74	5.81
7	7266.00	48.36 PK	74.00	-25.64	1.21 H	328	40.62	7.74
8	7266.00	37.91 AV	54.00	-16.09	1.21 H	328	30.17	7.74
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	52.23 PK	74.00	-21.77	1.26 V	312	49.98	2.25
2	2390.00	36.34 AV	54.00	-17.66	1.26 V	312	34.09	2.25
3	*2422.00	101.82 PK			1.35 V	167	99.53	2.29
4	*2422.00	85.96 AV			1.35 V	167	83.67	2.29
5	4844.00	47.08 PK	74.00	-26.92	1.52 V	324	41.27	5.81
6	4844.00	36.92 AV	54.00	-17.08	1.52 V	324	31.11	5.81
7	7266.00	48.61 PK	74.00	-25.39	1.74 V	118	40.87	7.74
8	7266.00	38.19 AV	54.00	-15.81	1.74 V	118	30.45	7.74

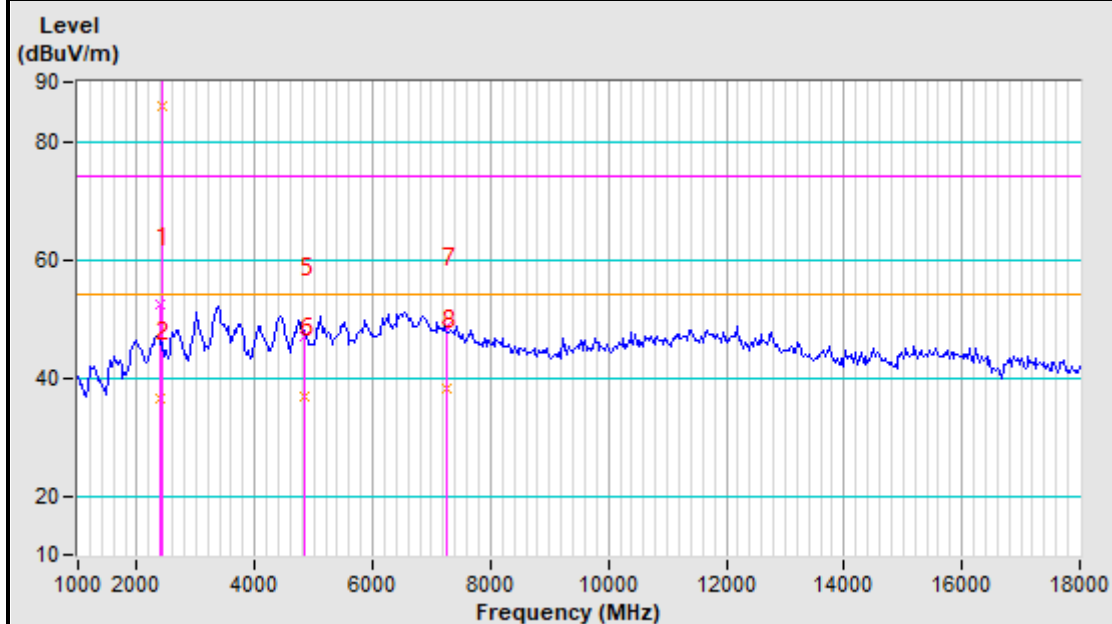
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2422MHz Horizontal

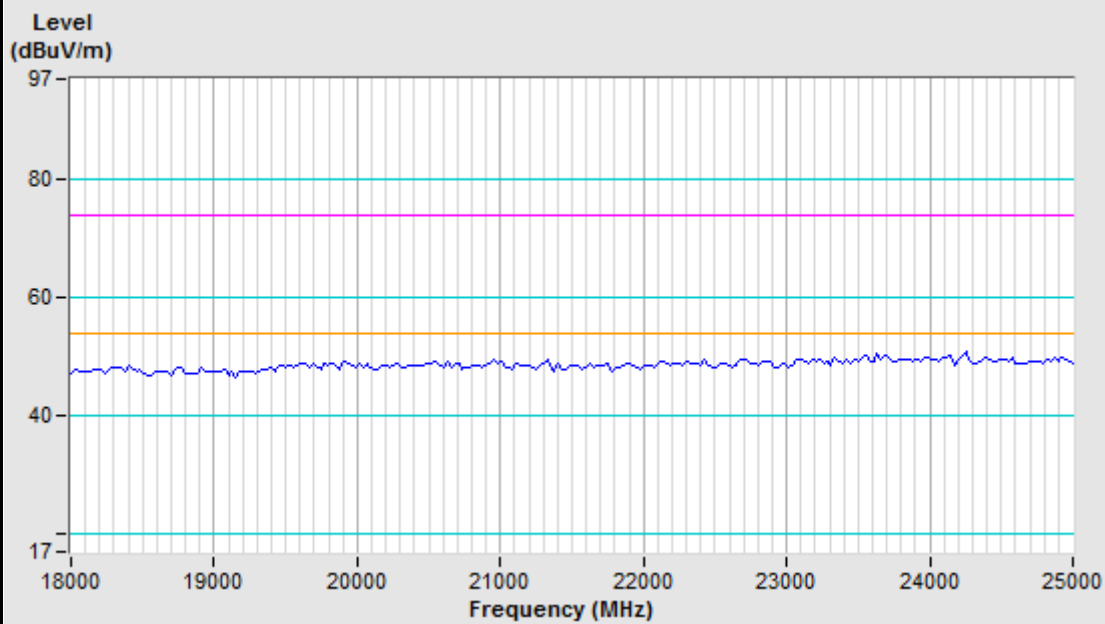


2422MHz Vertical

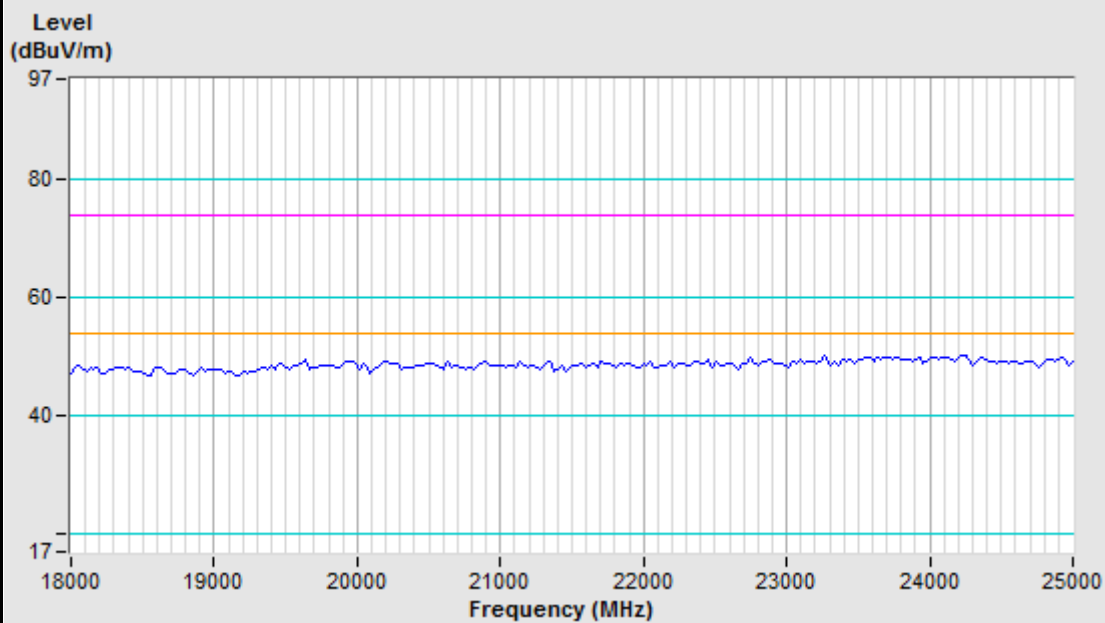


Note: When the harmonic frequency test a fundamental frequency filter is used.

2422MHz Horizontal



2422MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

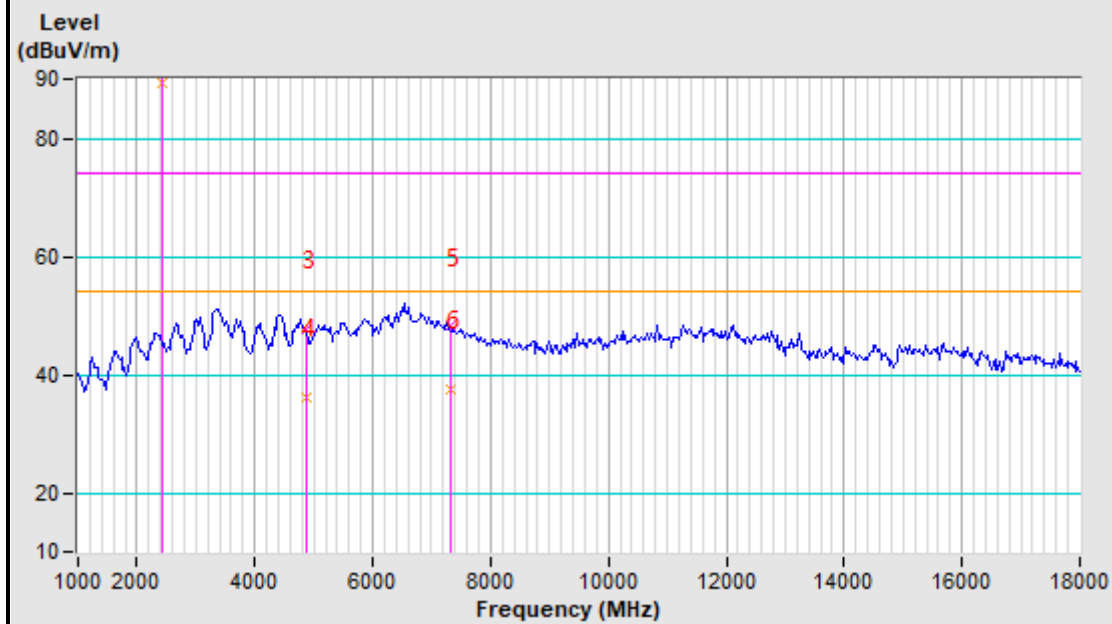
CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	103.92 PK			1.55 H	62	101.61	2.31
2	*2437.00	89.48 AV			1.55 H	62	87.17	2.31
3	4874.00	47.62 PK	74.00	-26.38	1.54 H	42	41.88	5.74
4	4874.00	36.22 AV	54.00	-17.78	1.54 H	42	30.48	5.74
5	7311.00	48.21 PK	74.00	-25.79	1.09 H	91	40.62	7.59
6	7311.00	37.48 AV	54.00	-16.52	1.09 H	91	29.89	7.59
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	102.74 PK			1.35 V	205	100.43	2.31
2	*2437.00	86.69 AV			1.35 V	205	84.38	2.31
3	4874.00	47.29 PK	74.00	-26.71	1.44 V	169	41.55	5.74
4	4874.00	36.68 AV	54.00	-17.32	1.44 V	169	30.94	5.74
5	7311.00	48.61 PK	74.00	-25.39	1.82 V	107	41.02	7.59
6	7311.00	38.89 AV	54.00	-15.11	1.82 V	107	31.30	7.59

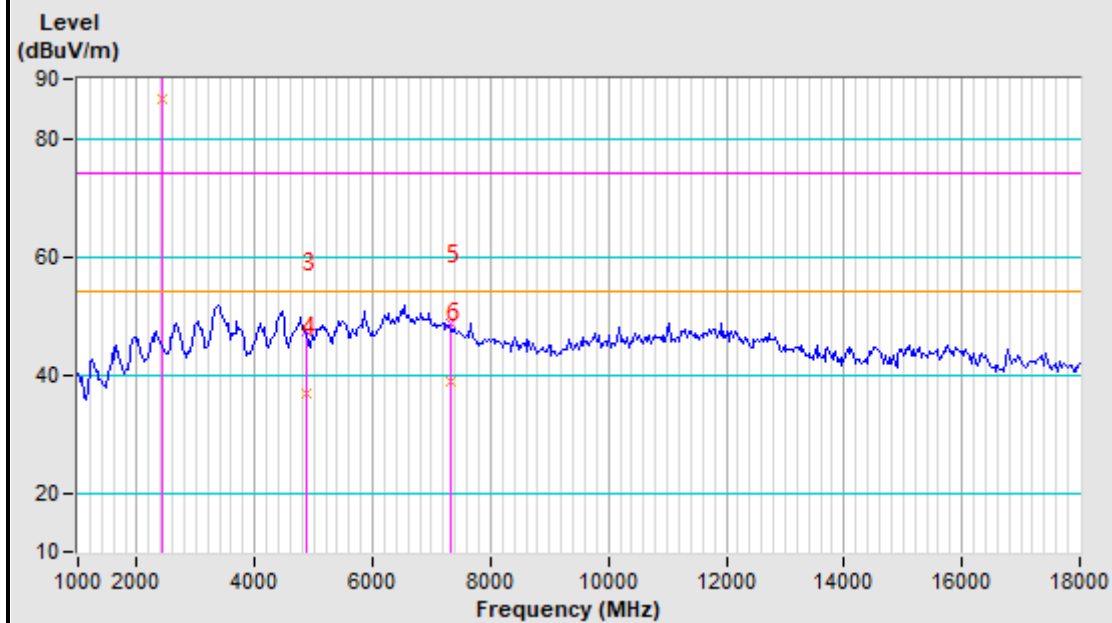
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2437MHz Horizontal

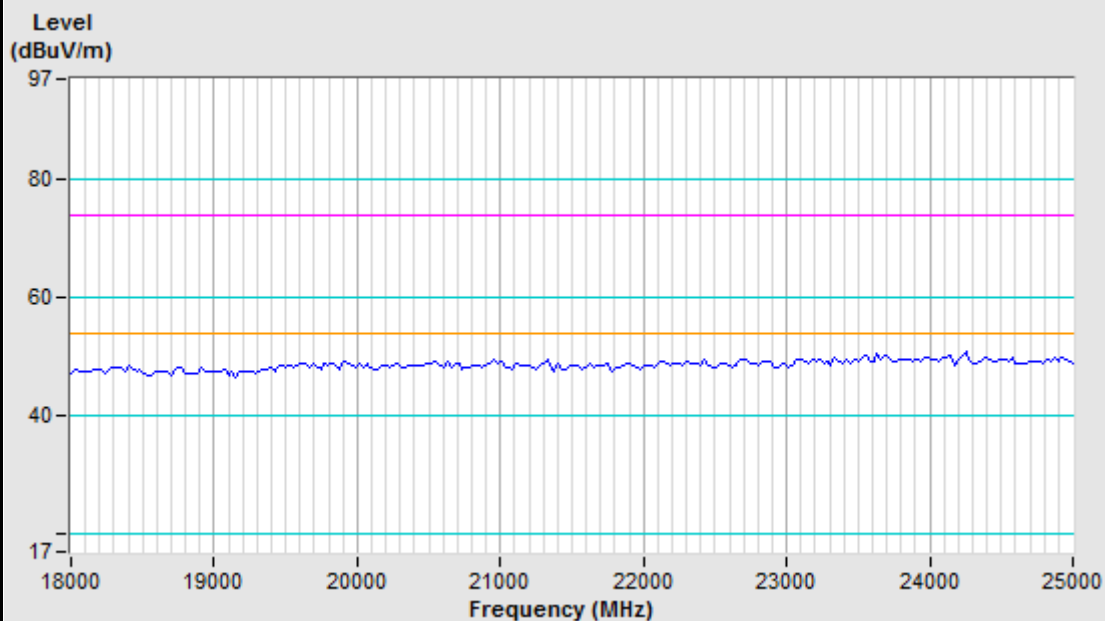


2437MHz Vertical

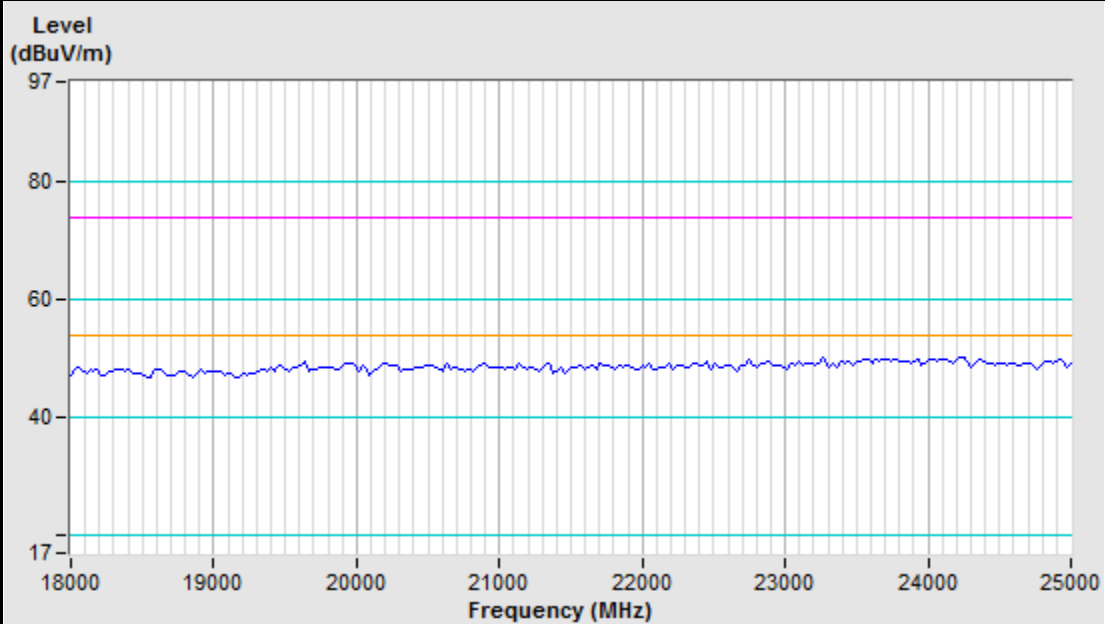


Note: When the harmonic frequency test a fundamental frequency filter is used.

2437MHz Horizontal



2437MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

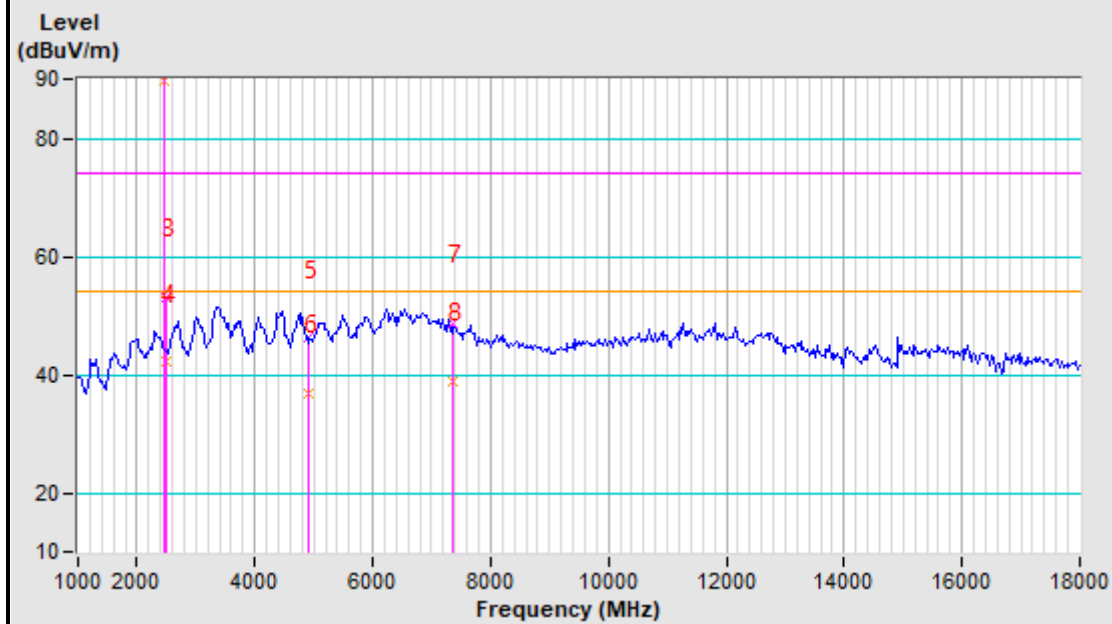
CHANNEL	TX Channel 9	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	103.91 PK			1.77 H	251	101.58	2.33
2	*2452.00	89.55 AV			1.77 H	251	87.22	2.33
3	2483.50	53.12 PK	74.00	-20.88	1.77 H	52	50.76	2.36
4	2483.50	42.09 AV	54.00	-11.91	1.77 H	52	39.73	2.36
5	4904.00	46.15 PK	74.00	-27.85	1.20 H	136	40.47	5.68
6	4904.00	36.71 AV	54.00	-17.29	1.20 H	136	31.03	5.68
7	7356.00	48.67 PK	74.00	-25.33	1.55 H	61	41.23	7.44
8	7356.00	38.98 AV	54.00	-15.02	1.55 H	61	31.54	7.44
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	102.81 PK			1.55 V	120	100.48	2.33
2	*2452.00	86.97 AV			1.55 V	120	84.64	2.33
3	2483.50	52.55 PK	74.00	-21.45	1.68 V	48	50.19	2.36
4	2483.50	41.99 AV	54.00	-12.01	1.68 V	48	39.63	2.36
5	4904.00	46.28 PK	74.00	-27.72	1.22 V	109	40.60	5.68
6	4904.00	35.58 AV	54.00	-18.42	1.22 V	109	29.90	5.68
7	7356.00	48.38 PK	74.00	-25.62	1.36 V	165	40.94	7.44
8	7356.00	37.98 AV	54.00	-16.02	1.36 V	165	30.54	7.44

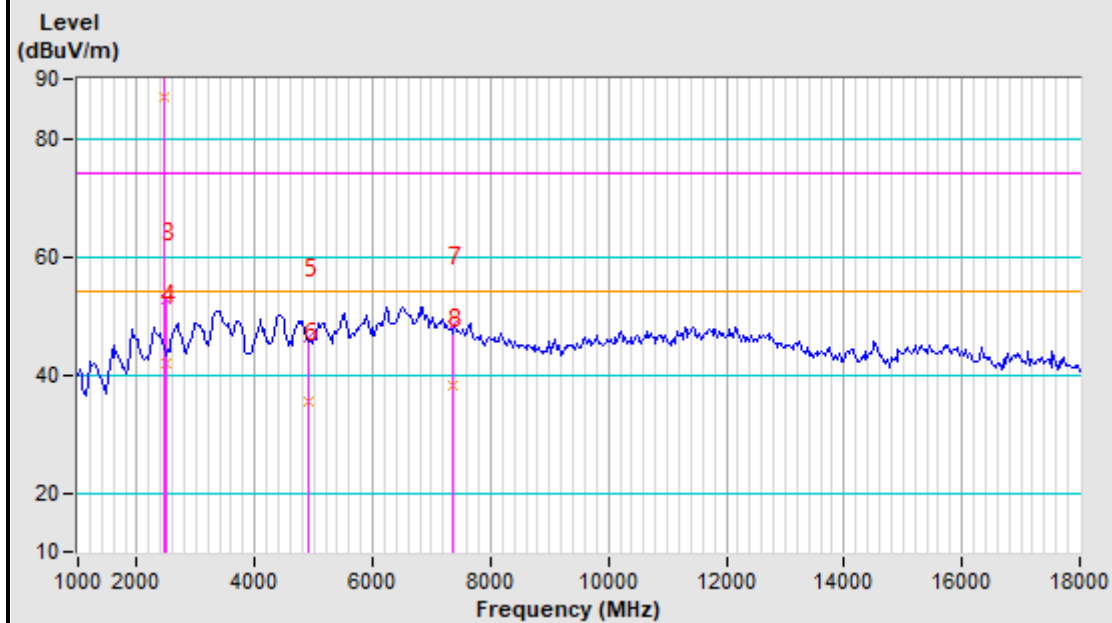
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2452MHz Horizontal

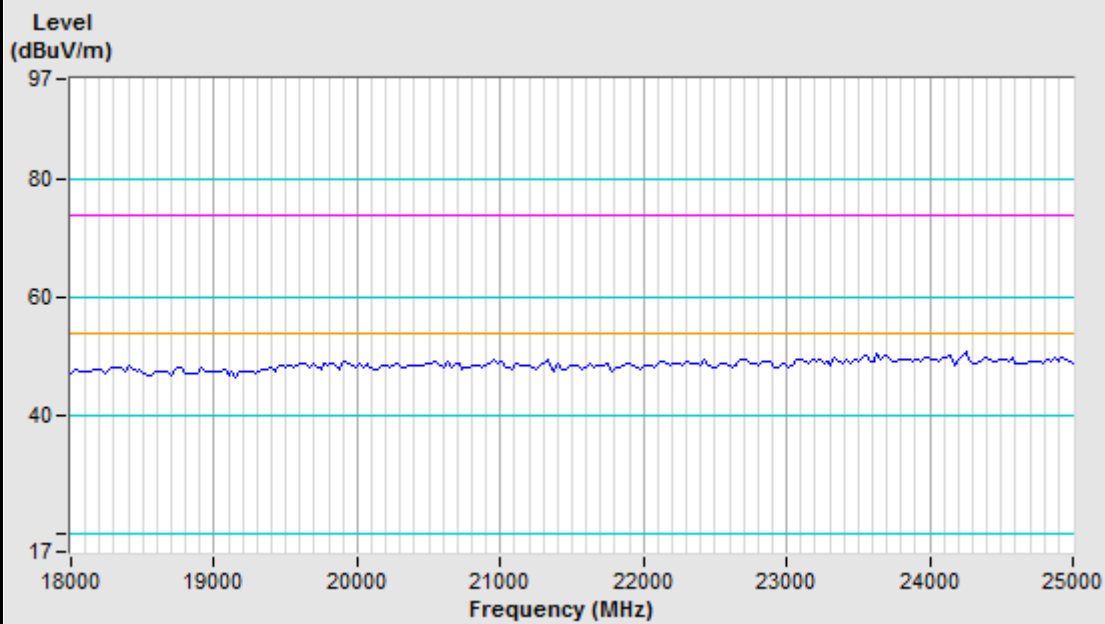


2452MHz Vertical

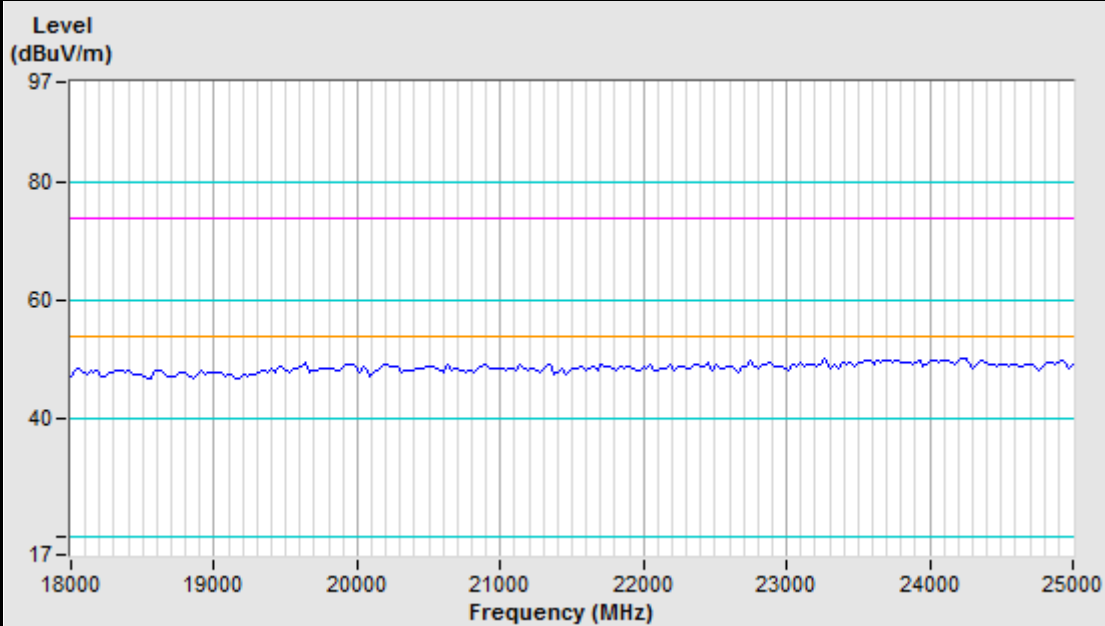


Note: When the harmonic frequency test a fundamental frequency filter is used.

2452MHz Horizontal



2452MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

BELOW 1GHz WORST-CASE DATA:

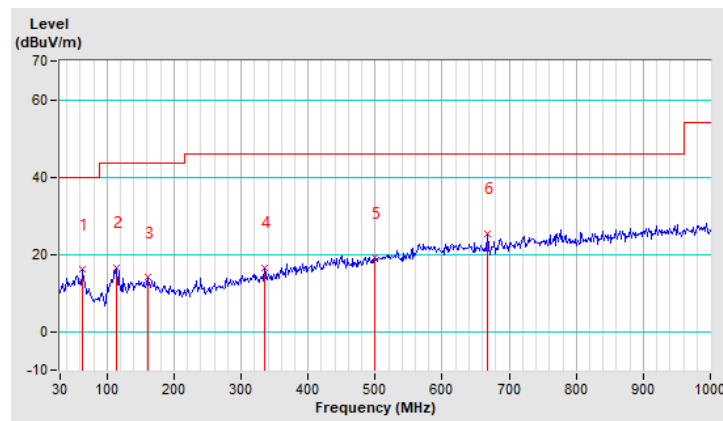
BT-LE 1M

CHANNEL	TX Channel 39	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	64.20	15.97 QP	40.00	-24.03	1.94 H	109	33.72	-17.75
2	113.94	16.46 QP	43.50	-27.04	2.06 H	122	35.84	-19.38
3	160.58	13.92 QP	43.50	-29.58	1.76 H	92	30.52	-16.60
4	334.68	16.58 QP	46.00	-29.42	2.52 H	167	31.54	-14.96
5	499.46	19.06 QP	46.00	-26.94	2.38 H	153	29.92	-10.86
6	667.34	25.26 QP	46.00	-20.74	2.24 H	139	32.69	-7.43

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.

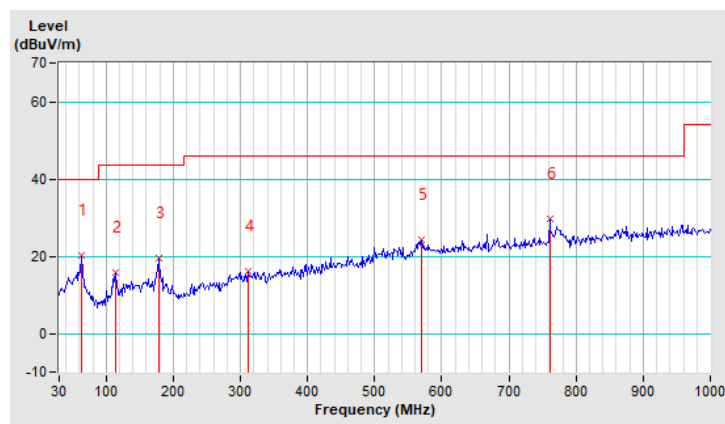


CHANNEL	TX Channel 39	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	62.64	20.14 QP	40.00	-19.86	1.79 V	95	37.65	-17.51
2	113.94	15.72 QP	43.50	-27.78	1.62 V	78	35.10	-19.38
3	177.68	19.54 QP	43.50	-23.96	1.48 V	64	37.46	-17.92
4	311.36	16.07 QP	46.00	-29.93	1.94 V	110	31.61	-15.54
5	569.41	24.19 QP	46.00	-21.81	1.33 V	50	33.50	-9.31
6	760.61	29.61 QP	46.00	-16.39	1.18 V	35	35.54	-5.93

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.



ABOVE 1GHz TEST DATA:

BT-LE 1M

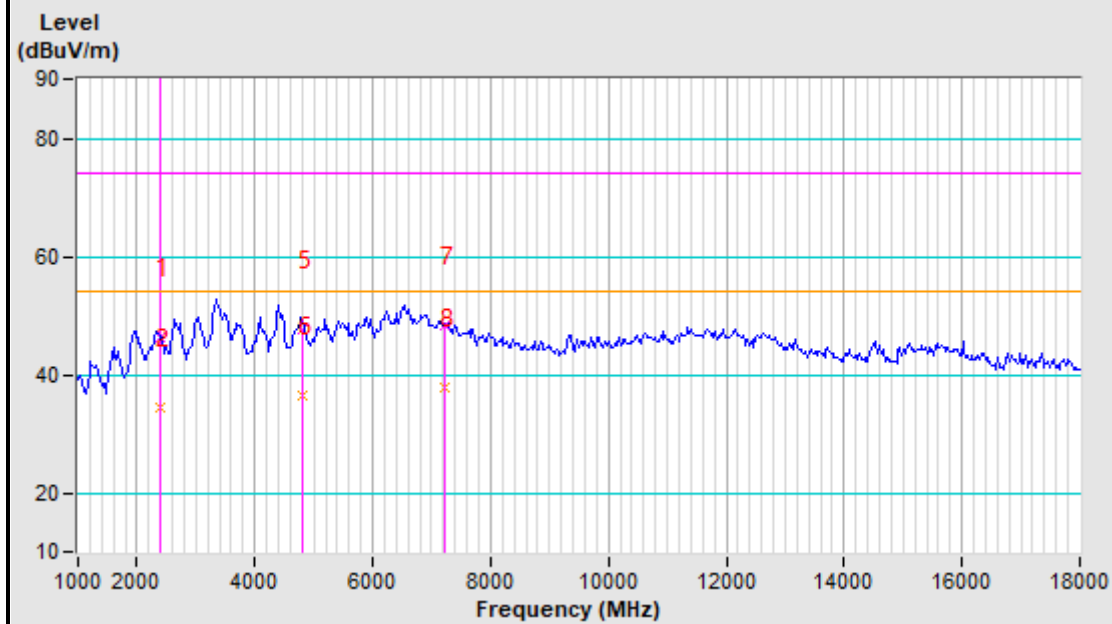
CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	46.21 PK	74.00	-27.79	1.75 H	24	43.96	2.25
2	2390.00	34.37 AV	54.00	-19.63	1.75 H	24	32.12	2.25
3	*2402.00	96.05 PK			1.44 H	158	93.78	2.27
4	*2402.00	95.76 AV			1.44 H	158	93.49	2.27
5	4804.00	47.68 PK	74.00	-26.32	1.88 H	42	41.79	5.89
6	4804.00	36.54 AV	54.00	-17.46	1.88 H	42	30.65	5.89
7	7206.00	48.27 PK	74.00	-25.73	1.52 H	114	40.33	7.94
8	7206.00	37.85 AV	54.00	-16.15	1.52 H	114	29.91	7.94
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	45.85 PK	74.00	-28.15	1.06 V	99	43.60	2.25
2	2390.00	34.22 AV	54.00	-19.78	1.06 V	99	31.97	2.25
3	*2402.00	93.62 PK			1.66 V	201	91.35	2.27
4	*2402.00	93.37 AV			1.66 V	201	91.10	2.27
5	4804.00	48.09 PK	74.00	-25.91	1.25 V	214	42.20	5.89
6	4804.00	36.58 AV	54.00	-17.42	1.25 V	214	30.69	5.89
7	7206.00	48.15 PK	74.00	-25.85	1.45 V	244	40.21	7.94
8	7206.00	39.78 AV	54.00	-14.22	1.45 V	244	31.84	7.94

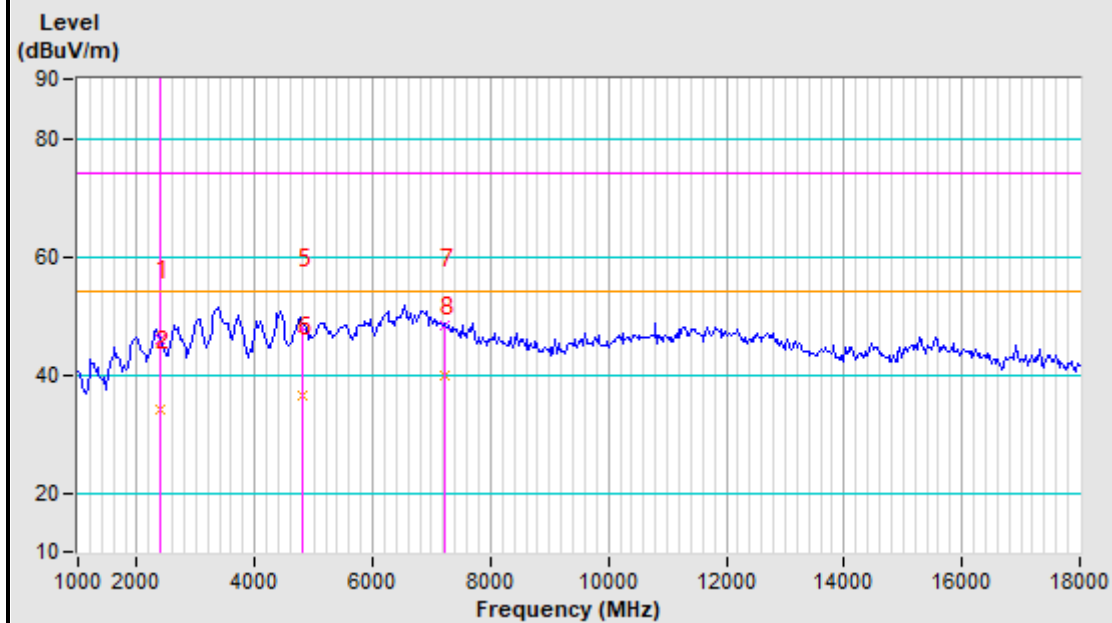
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2402MHz Horizontal

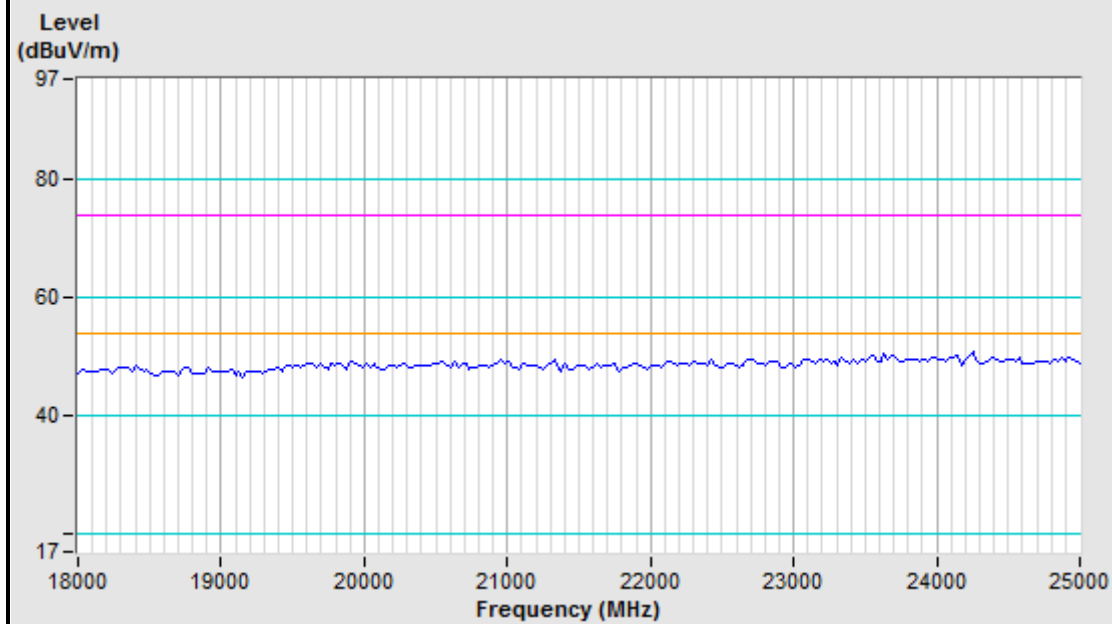


2402MHz Vertical

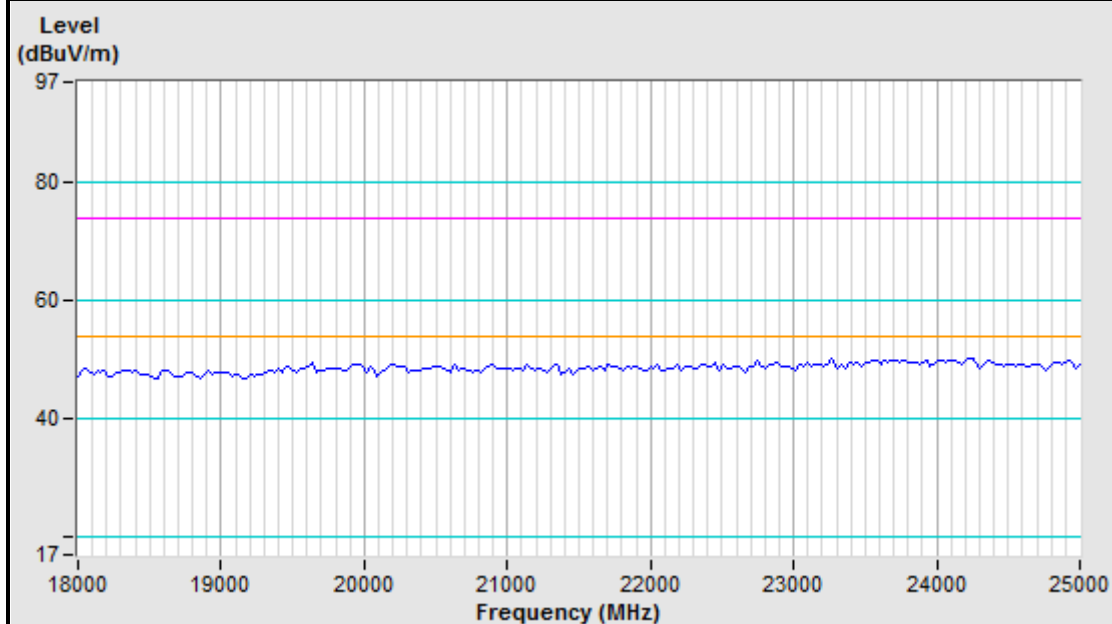


Note: When the harmonic frequency test a fundamental frequency filter is used.

2402MHz Horizontal



2402MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

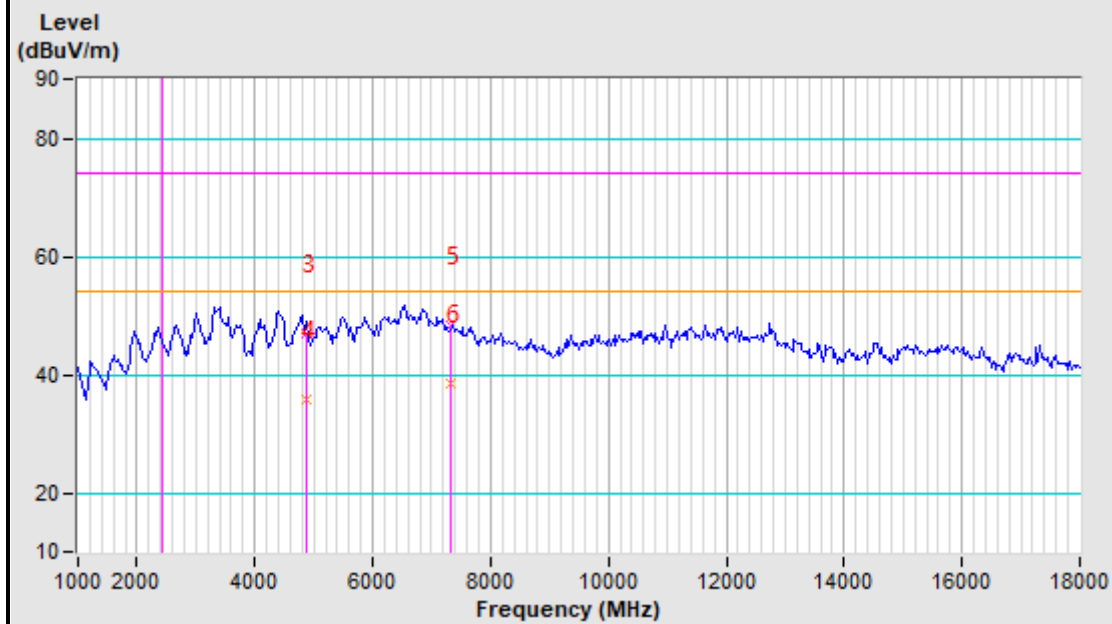
CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2440.00	97.33 PK			1.42 H	110	95.02	2.31
2	*2440.00	97.03 AV			1.42 H	110	94.72	2.31
3	4880.00	47.05 PK	74.00	-26.95	1.22 H	198	41.31	5.74
4	4880.00	35.69 AV	54.00	-18.31	1.22 H	198	29.95	5.74
5	7320.00	48.37 PK	74.00	-25.63	1.05 H	224	40.80	7.57
6	7320.00	38.51 AV	54.00	-15.49	1.05 H	224	30.94	7.57
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2440.00	95.62 PK			1.77 V	18	93.31	2.31
2	*2440.00	95.43 AV			1.77 V	18	93.12	2.31
3	4880.00	47.68 PK	74.00	-26.32	1.25 V	45	41.94	5.74
4	4880.00	36.75 AV	54.00	-17.25	1.25 V	45	31.01	5.74
5	7320.00	48.01 PK	74.00	-25.99	1.30 V	133	40.44	7.57
6	7320.00	37.48 AV	54.00	-16.52	1.30 V	133	29.91	7.57

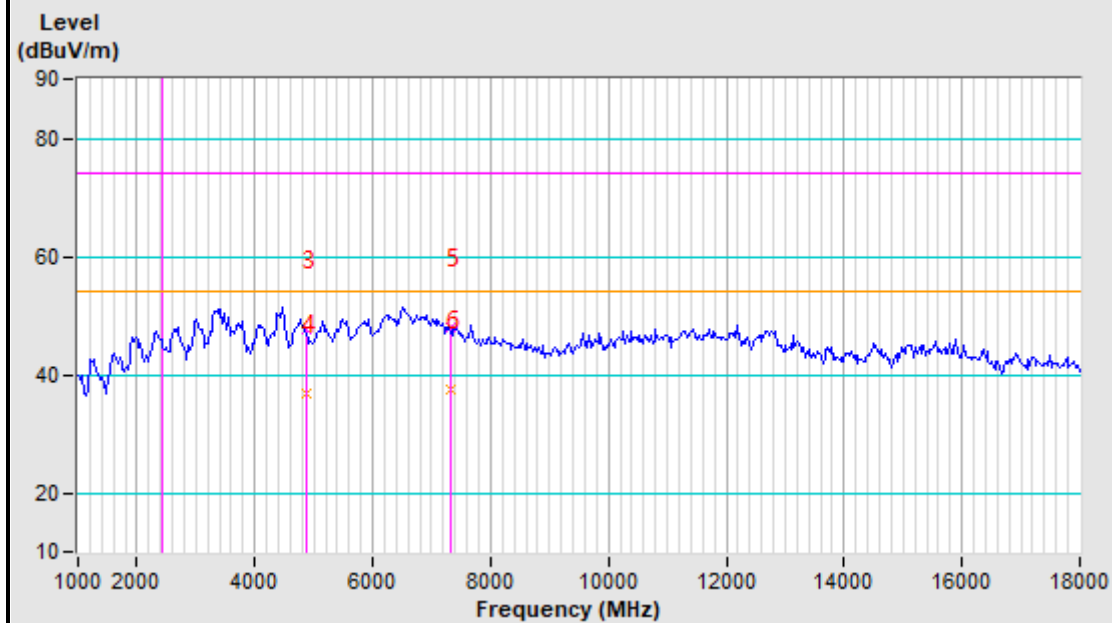
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2440MHz Horizontal

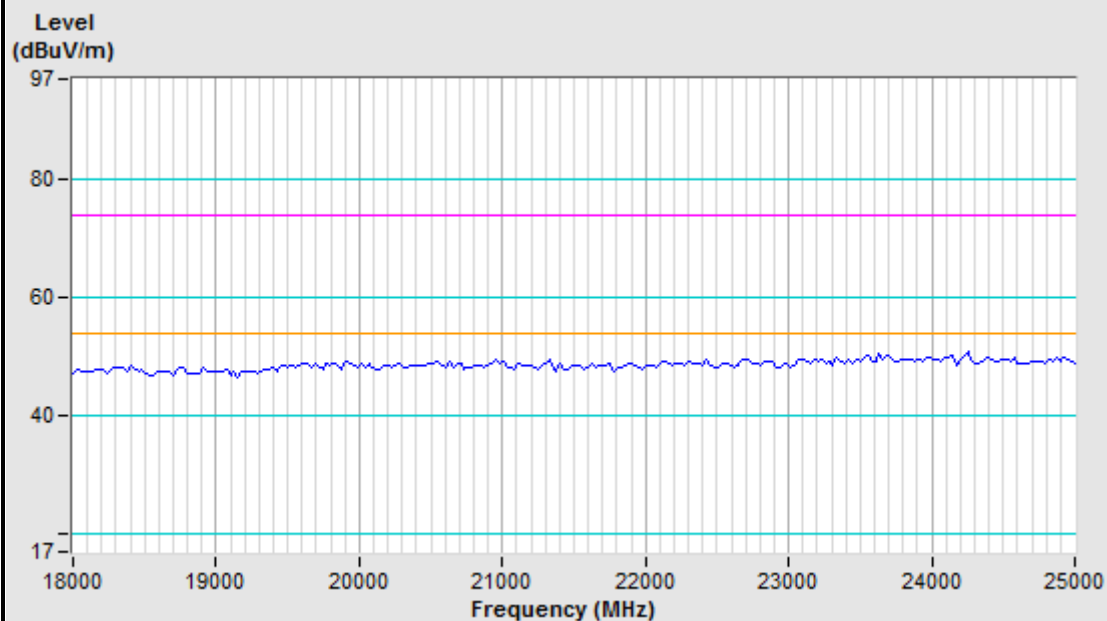


2440MHz Vertical

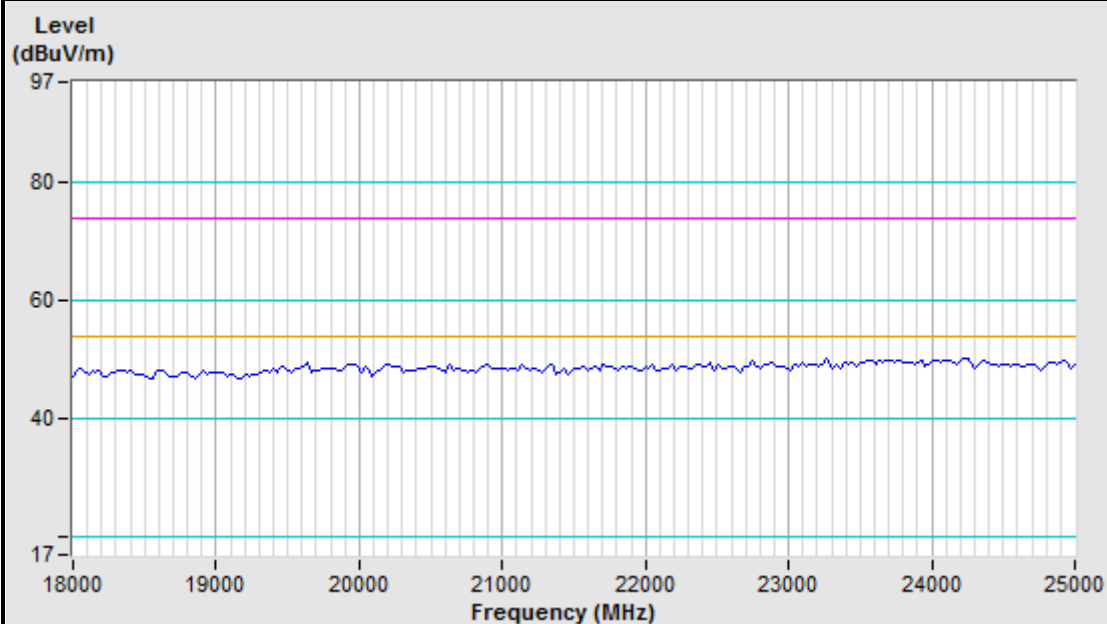


Note: When the harmonic frequency test a fundamental frequency filter is used.

2440MHz Horizontal



2440MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

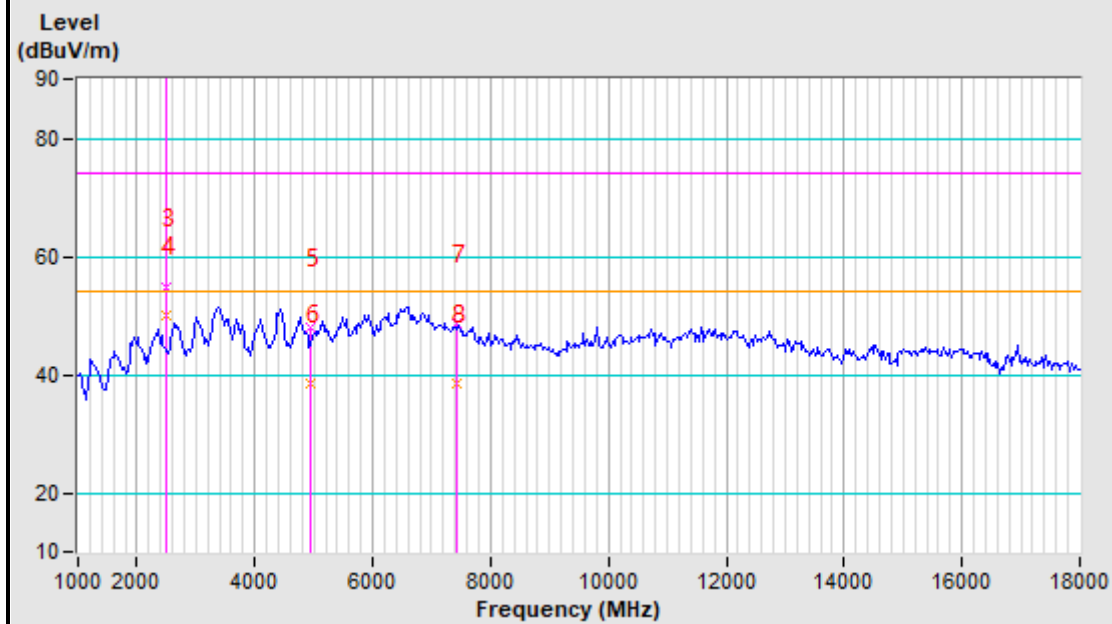
CHANNEL	TX Channel 39	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	96.54 PK			1.44 H	123	94.18	2.36
2	*2480.00	95.72 AV			1.44 H	123	93.36	2.36
3	2483.50	54.84 PK	74.00	-19.16	1.77 H	24	52.48	2.36
4	2483.50	50.13 AV	54.00	-3.87	1.77 H	24	47.77	2.36
5	4960.00	48.12 PK	74.00	-25.88	1.24 H	119	42.54	5.58
6	4960.00	38.56 AV	54.00	-15.44	1.24 H	119	32.98	5.58
7	7440.00	48.63 PK	74.00	-25.37	1.09 H	191	41.46	7.17
8	7440.00	38.48 AV	54.00	-15.52	1.09 H	191	31.31	7.17
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	94.58 PK			1.77 V	158	92.22	2.36
2	*2480.00	93.96 AV			1.77 V	158	91.60	2.36
3	2483.50	54.15 PK	74.00	-19.85	1.52 V	36	51.79	2.36
4	2483.50	49.35 AV	54.00	-4.65	1.52 V	36	46.99	2.36
5	4960.00	47.97 PK	74.00	-26.03	1.23 V	225	42.39	5.58
6	4960.00	36.55 AV	54.00	-17.45	1.23 V	225	30.97	5.58
7	7440.00	48.58 PK	74.00	-25.42	1.66 V	142	41.41	7.17
8	7440.00	38.87 AV	54.00	-15.13	1.66 V	142	31.70	7.17

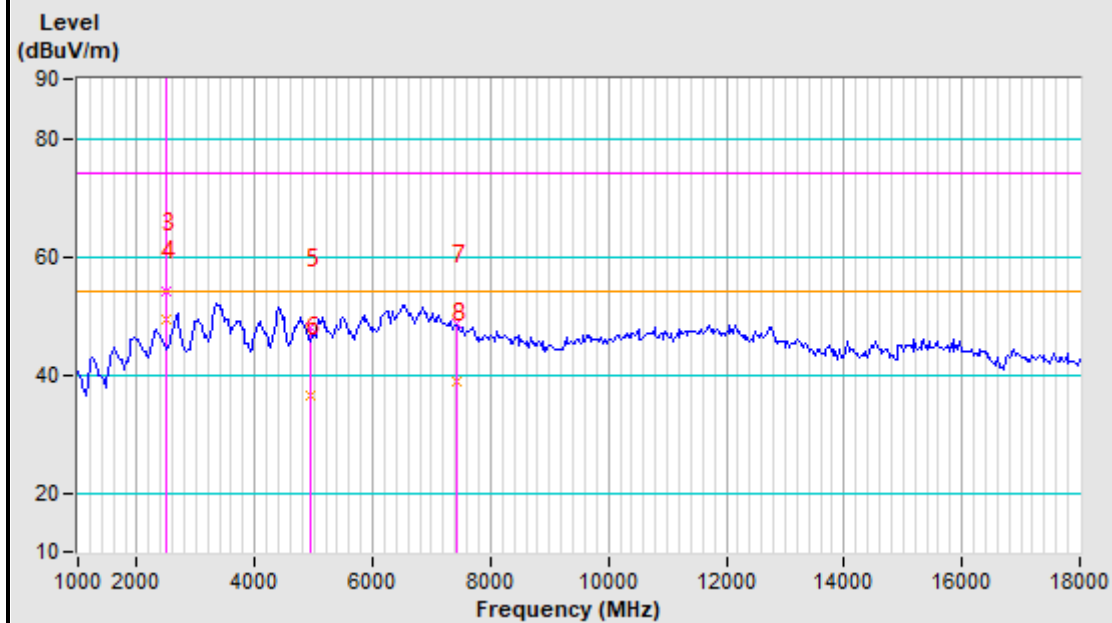
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2480MHz Horizontal

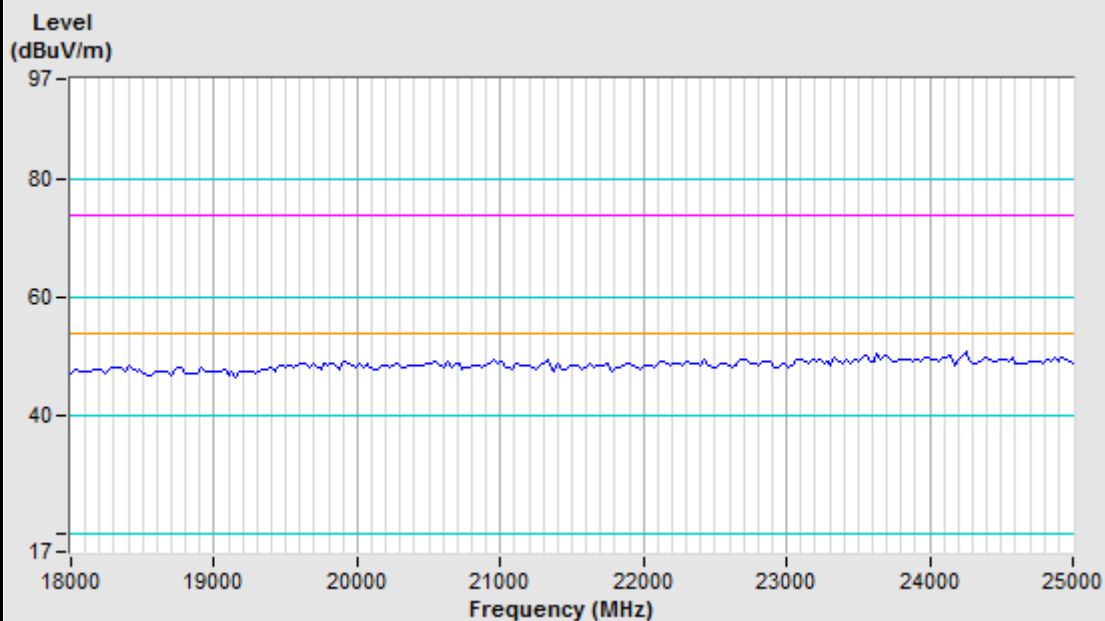


2480MHz Vertical

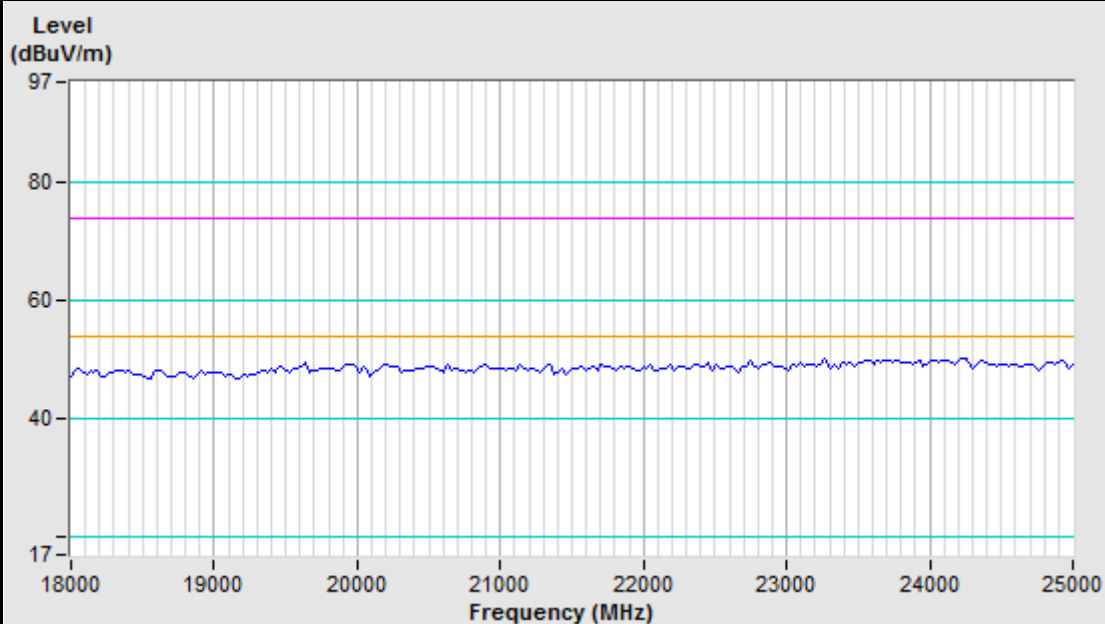


Note: When the harmonic frequency test a fundamental frequency filter is used.

2480MHz Horizontal



2480MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

BT-LE 2M

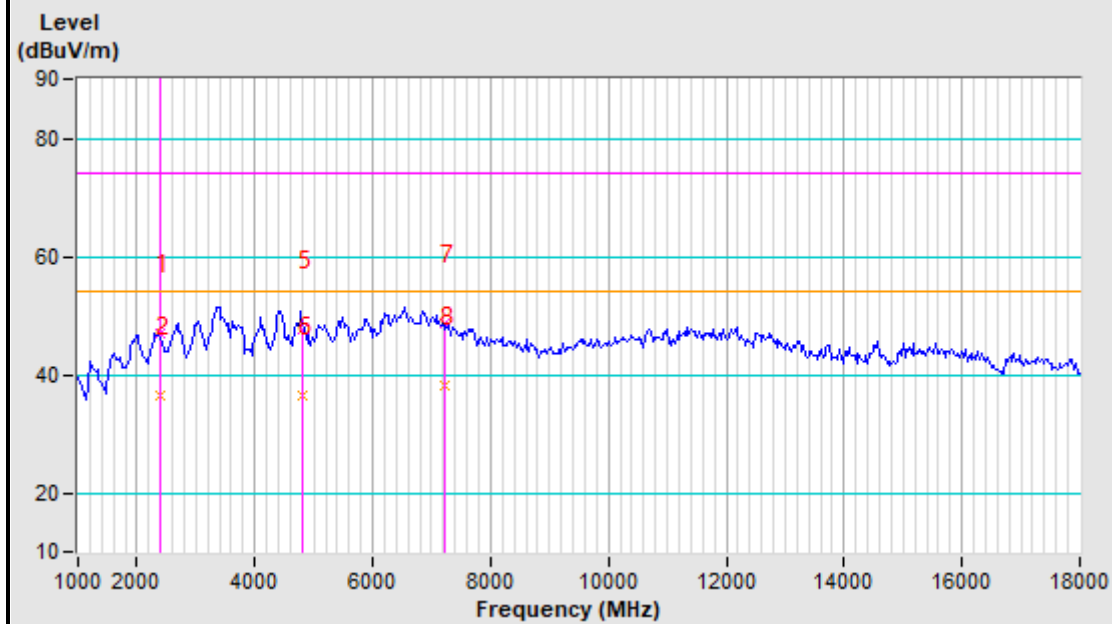
CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	46.89 PK	74.00	-27.11	1.77 H	15	44.64	2.25
2	2390.00	36.59 AV	54.00	-17.41	1.77 H	15	34.34	2.25
3	*2402.00	97.04 PK			1.24 H	15	94.77	2.27
4	*2402.00	95.63 AV			1.24 H	15	93.36	2.27
5	4804.00	47.68 PK	74.00	-26.32	1.55 H	321	41.79	5.89
6	4804.00	36.58 AV	54.00	-17.42	1.55 H	321	30.69	5.89
7	7206.00	48.64 PK	74.00	-25.36	1.33 H	14	40.70	7.94
8	7206.00	38.19 AV	54.00	-15.81	1.33 H	14	30.25	7.94
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	46.51 PK	74.00	-27.49	1.77 V	25	44.26	2.25
2	2390.00	36.77 AV	54.00	-17.23	1.77 V	25	34.52	2.25
3	*2402.00	95.31 PK			1.55 V	258	93.04	2.27
4	*2402.00	94.92 AV			1.55 V	258	92.65	2.27
5	4804.00	48.61 PK	74.00	-25.39	1.96 V	217	42.72	5.89
6	4804.00	38.74 AV	54.00	-15.26	1.96 V	217	32.85	5.89
7	7206.00	48.81 PK	74.00	-25.19	1.23 V	341	40.87	7.94
8	7206.00	39.91 AV	54.00	-14.09	1.23 V	341	31.97	7.94

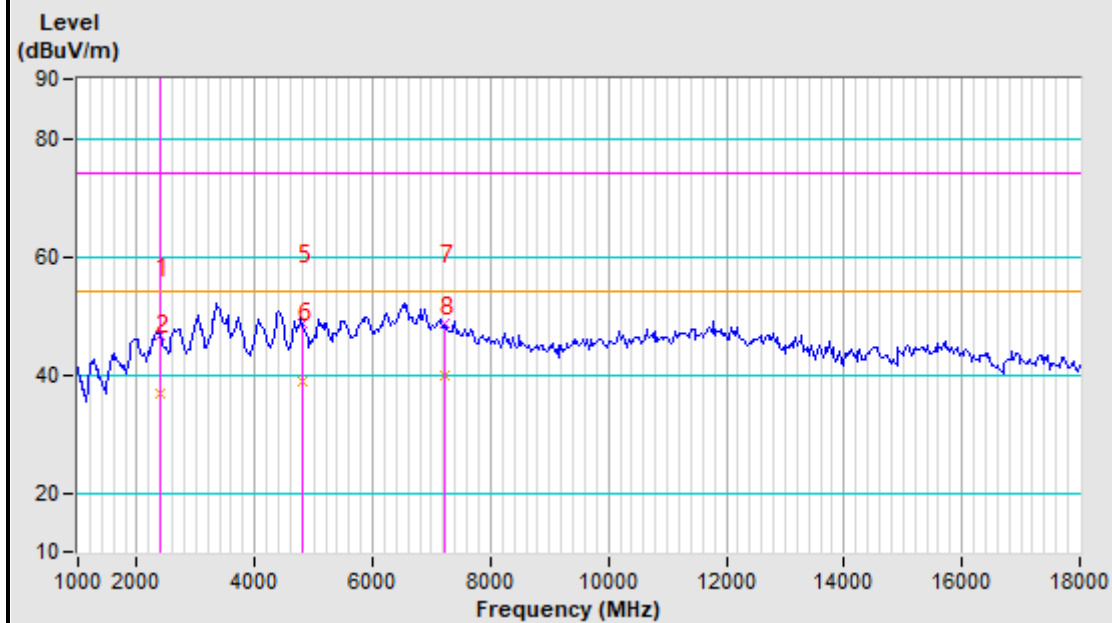
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2402MHz Horizontal

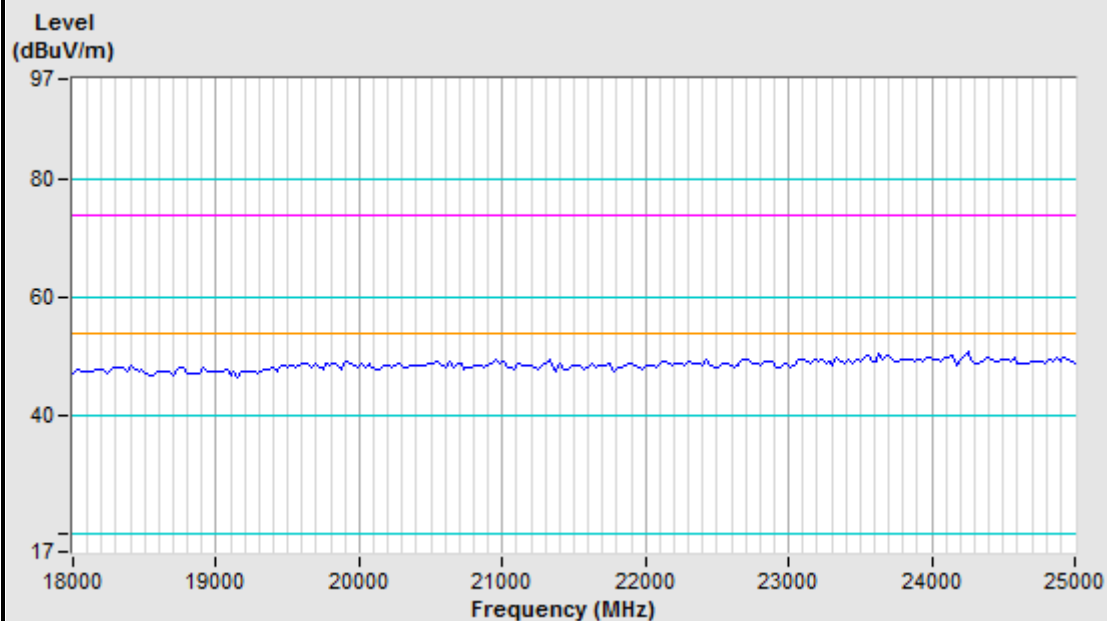


2402MHz Vertical

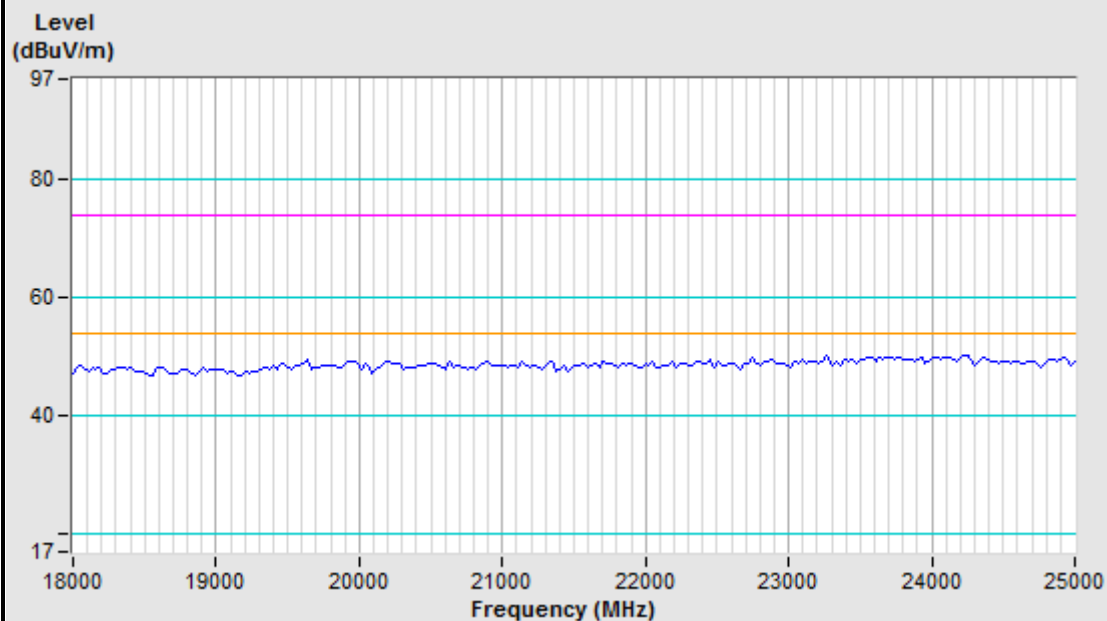


Note: When the harmonic frequency test a fundamental frequency filter is used.

2402MHz Horizontal



2402MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

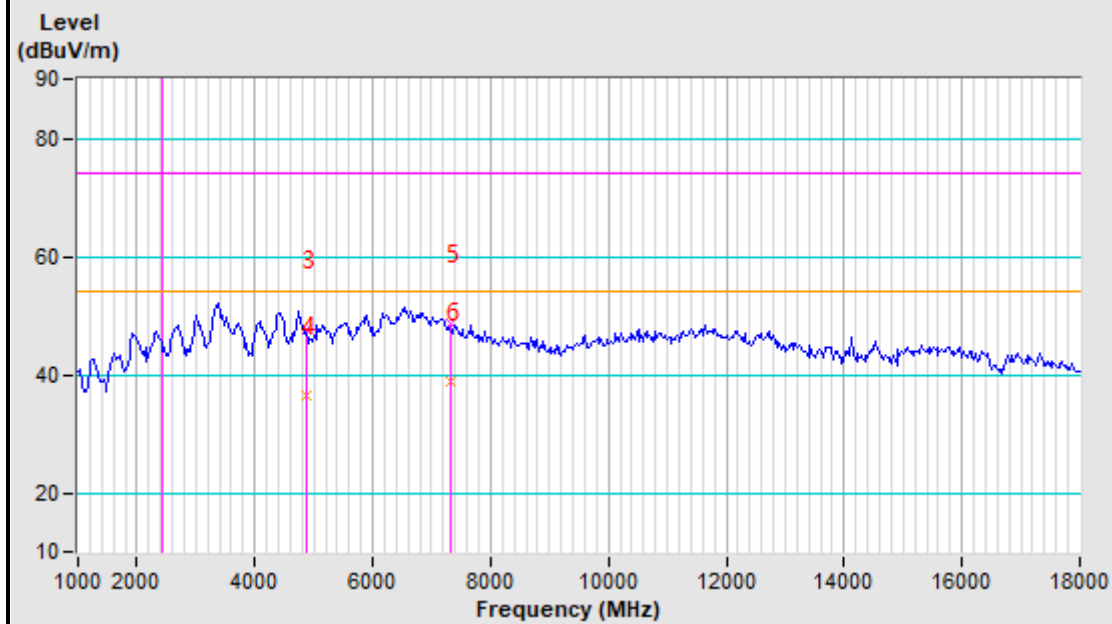
CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2440.00	96.69 PK			1.44 H	48	94.38	2.31
2	*2440.00	95.24 AV			1.44 H	48	92.93	2.31
3	4880.00	47.61 PK	74.00	-26.39	1.96 H	241	41.87	5.74
4	4880.00	36.58 AV	54.00	-17.42	1.96 H	241	30.84	5.74
5	7320.00	48.71 PK	74.00	-25.29	2.12 H	124	41.14	7.57
6	7320.00	38.96 AV	54.00	-15.04	2.12 H	124	31.39	7.57
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2440.00	94.13 PK			1.35 V	325	91.82	2.31
2	*2440.00	93.68 AV			1.35 V	325	91.37	2.31
3	4880.00	47.91 PK	74.00	-26.09	1.98 V	74	42.17	5.74
4	4880.00	37.45 AV	54.00	-16.55	1.98 V	74	31.71	5.74
5	7320.00	48.09 PK	74.00	-25.91	1.17 V	204	40.52	7.57
6	7320.00	38.91 AV	54.00	-15.09	1.17 V	204	31.34	7.57

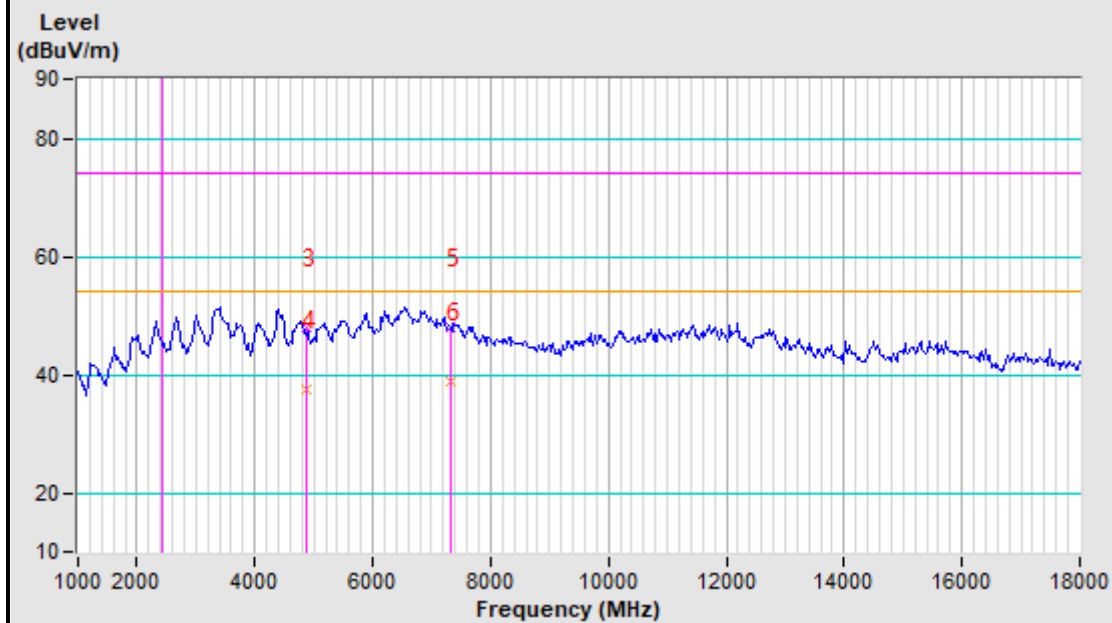
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2440MHz Horizontal

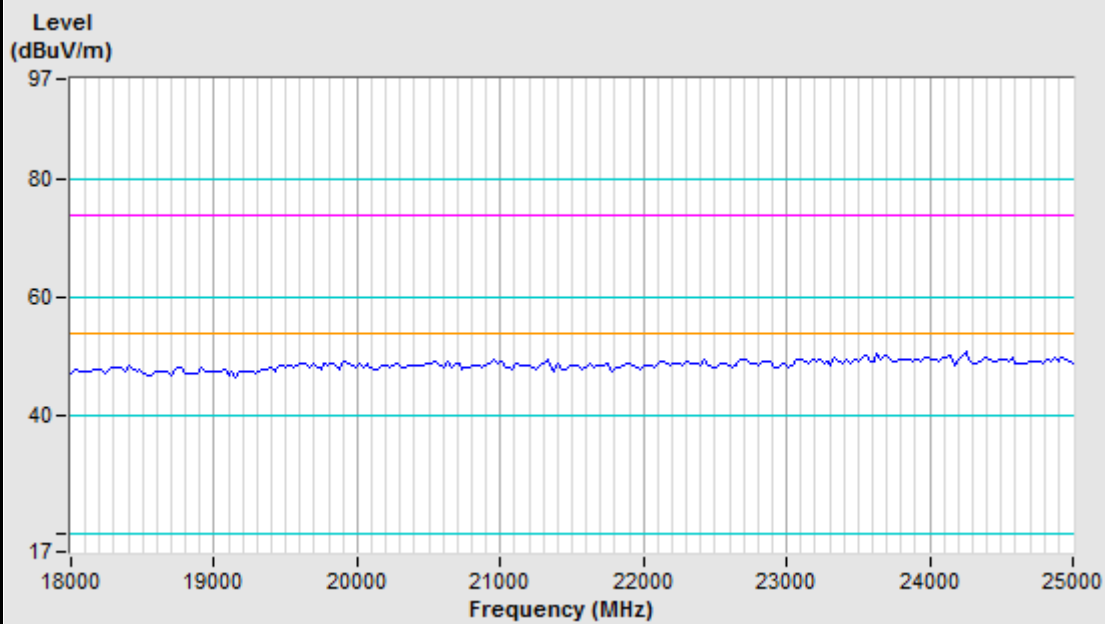


2440MHz Vertical

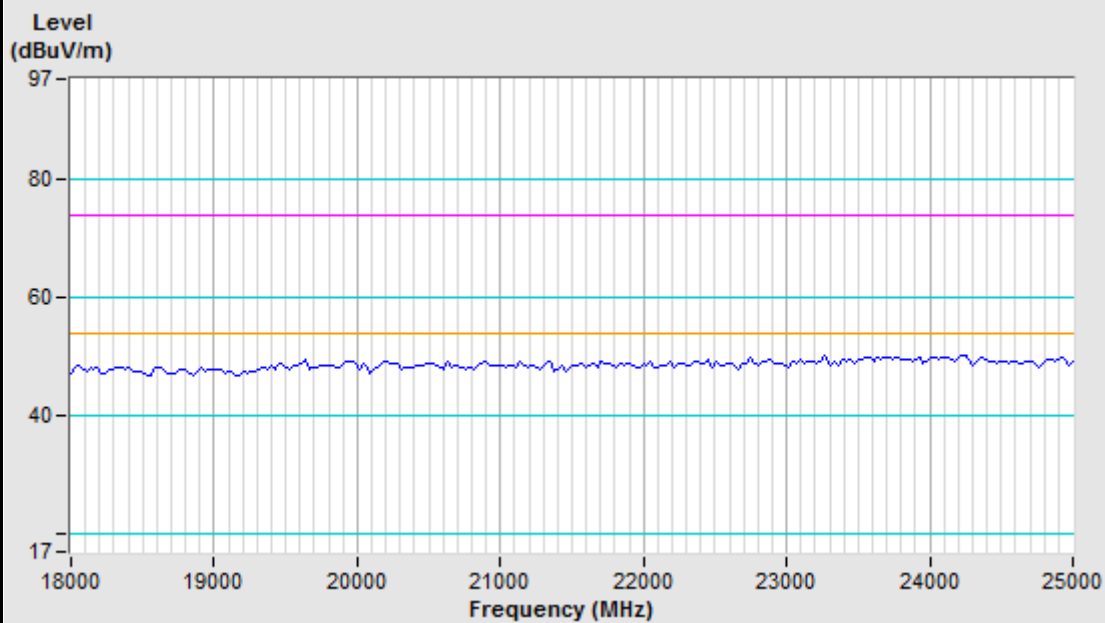


Note: When the harmonic frequency test a fundamental frequency filter is used.

2440MHz Horizontal



2440MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

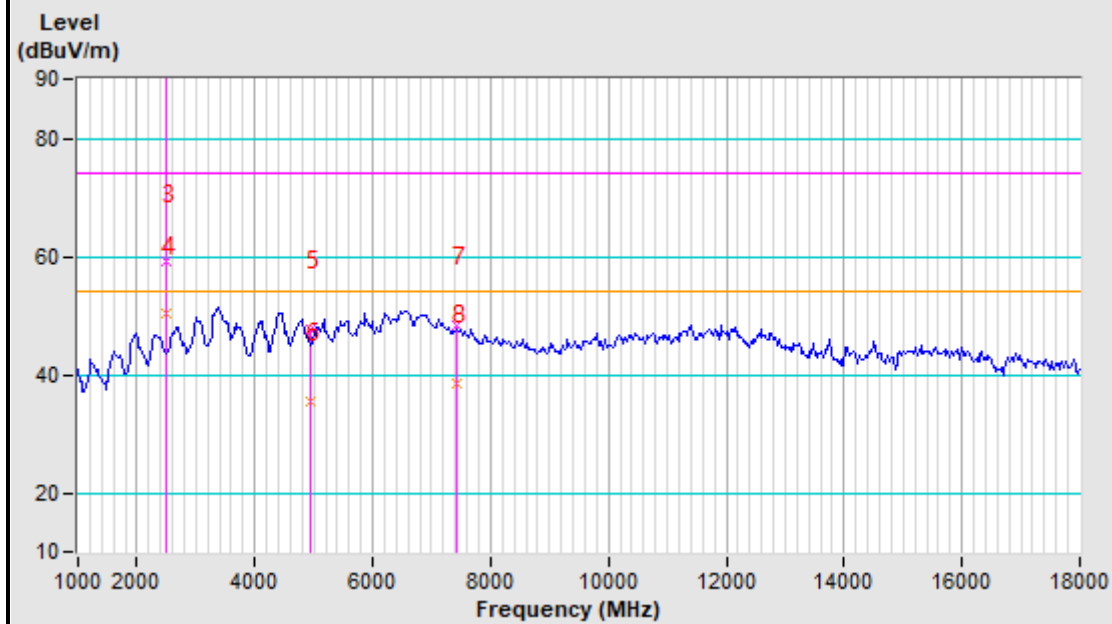
CHANNEL	TX Channel 39	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	96.59 PK			1.28 H	119	94.23	2.36
2	*2480.00	94.83 AV			1.28 H	119	92.47	2.36
3	2483.50	59.06 PK	74.00	-14.94	1.33 H	214	56.70	2.36
4	2483.50	50.18 AV	54.00	-3.82	1.33 H	214	47.82	2.36
5	4960.00	47.68 PK	74.00	-26.32	1.55 H	212	42.10	5.58
6	4960.00	35.45 AV	54.00	-18.55	1.55 H	212	29.87	5.58
7	7440.00	48.33 PK	74.00	-25.67	1.65 H	54	41.16	7.17
8	7440.00	38.47 AV	54.00	-15.53	1.65 H	54	31.30	7.17
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	93.68 PK			2.51 V	322	91.32	2.36
2	*2480.00	91.94 AV			2.51 V	322	89.58	2.36
3	2483.50	58.12 PK	74.00	-15.88	1.22 V	140	55.76	2.36
4	2483.50	49.92 AV	54.00	-4.08	1.22 V	140	47.56	2.36
5	4960.00	46.65 PK	74.00	-27.35	1.42 V	44	41.07	5.58
6	4960.00	36.28 AV	54.00	-17.72	1.42 V	44	30.70	5.58
7	7440.00	48.67 PK	74.00	-25.33	1.35 V	228	41.50	7.17
8	7440.00	38.48 AV	54.00	-15.52	1.35 V	228	31.31	7.17

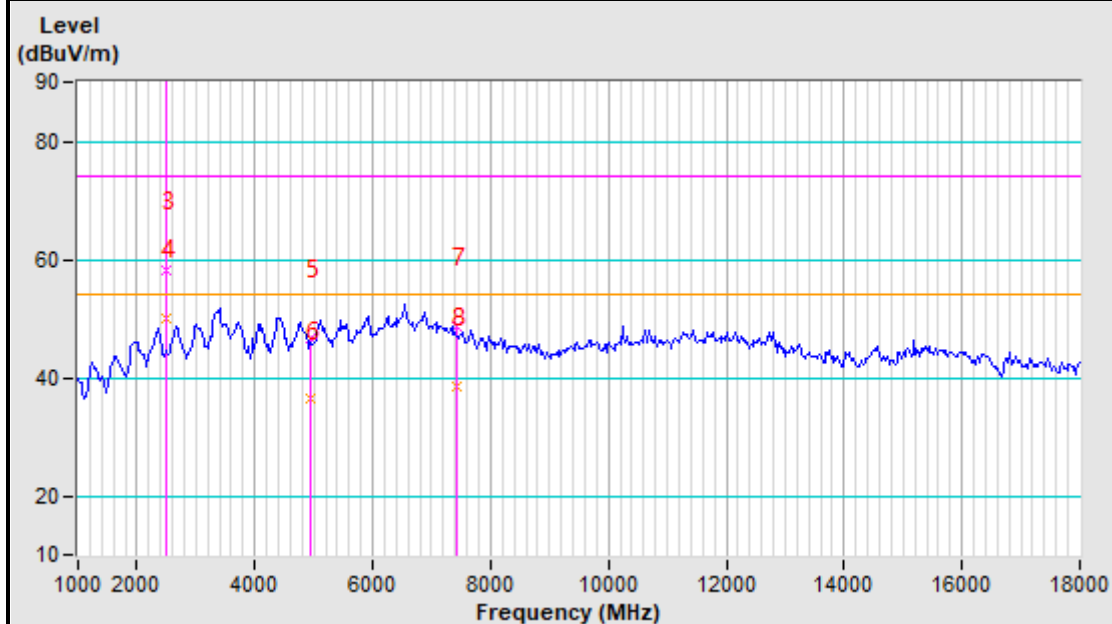
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

2480MHz Horizontal

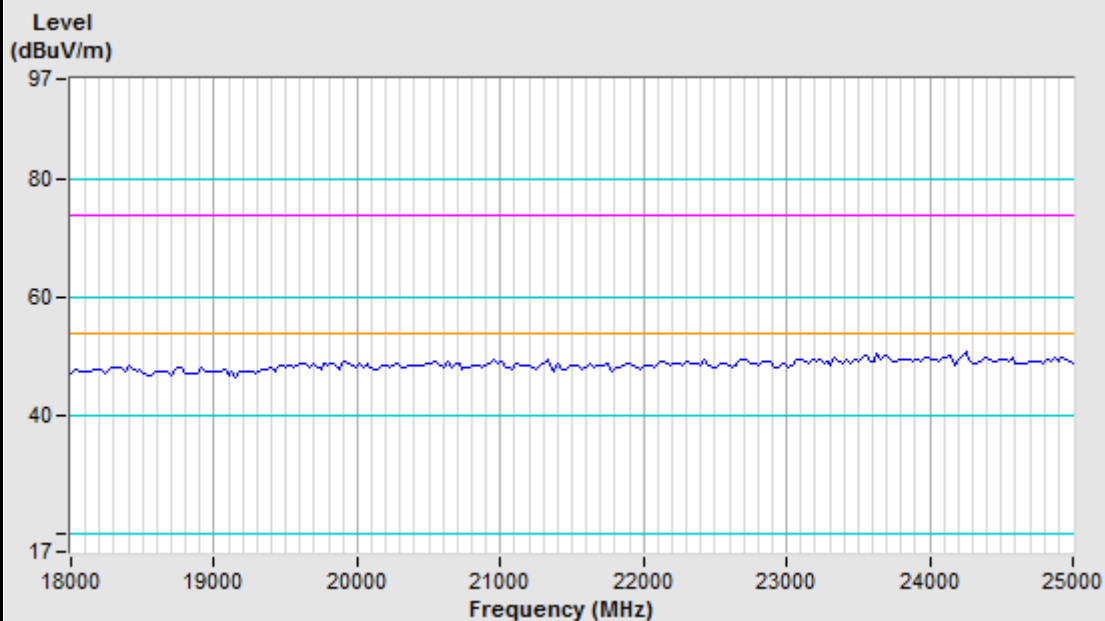


2480MHz Vertical

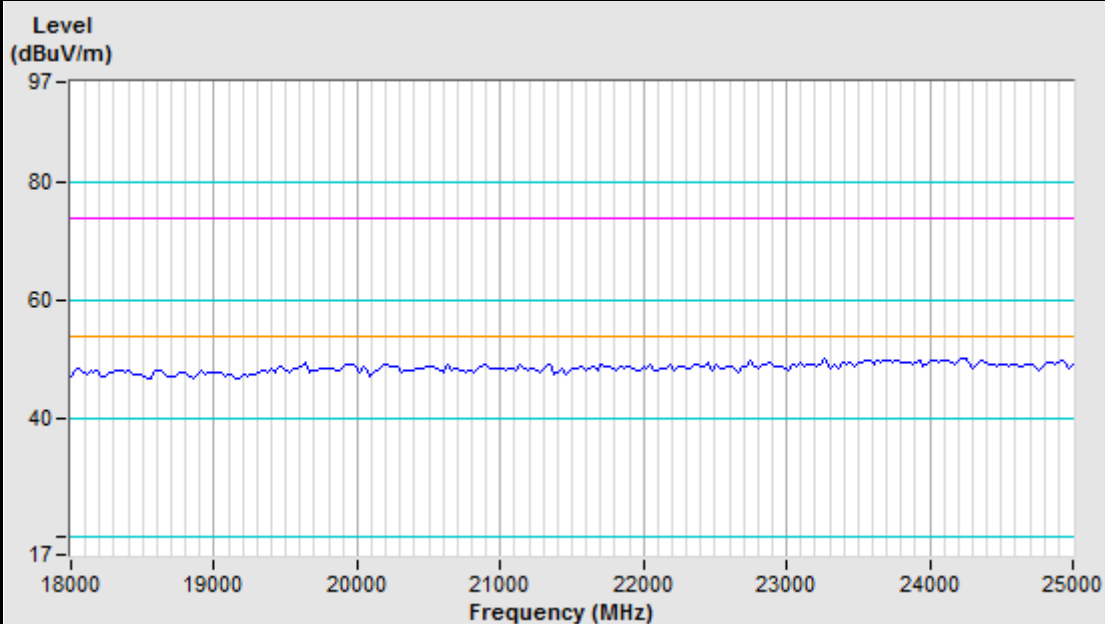


Note: When the harmonic frequency test a fundamental frequency filter is used.

2480MHz Horizontal



2480MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

4.3 6DB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6DB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY57320002	Apr. 08, 27
Digital Multimeter	FLUKE	15B	12151063	Apr. 07, 27
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 10, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101003	Oct. 09, 26
Signal Generator	Agilent	N5183A	MY50140980	Jul. 02, 27
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Jul. 02, 27
Attenuator	MINI	BW-S10W2+	S130129FGE2	Jul. 02, 27
DC Source	Rohde&Schwarz	HMP2020	101295	Apr. 07, 27
Test software	ADT	ADT_RF Test Software V6.6.5.3	N/A	N/A

NOTES:

1. The test was performed in RF Test Shielded Room.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.

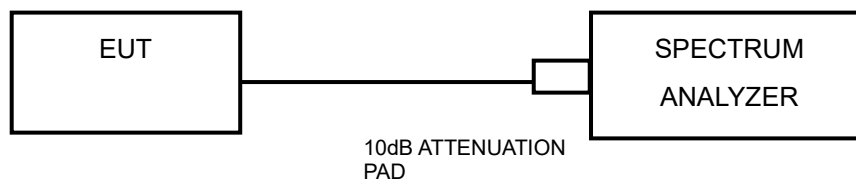
4.3.3 TEST PROCEDURE

1. Set RBW = 100K(shall be in the range of 1% to 5% of OBW, but not less than 100kHz).
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = No faster than coupled(auto) time.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		Chain0	Chain1		
1	2412	10.12	10.10	0.5	PASS
6	2437	10.12	10.13	0.5	PASS
11	2462	10.12	10.13	0.5	PASS

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		Chain0	Chain1		
1	2412	15.09	15.11	0.5	PASS
6	2437	15.11	15.10	0.5	PASS
11	2462	15.12	15.10	0.5	PASS

802.11n HT20

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		Chain0	Chain1		
1	2412	15.09	15.09	0.5	PASS
6	2437	15.11	15.09	0.5	PASS
11	2462	15.11	15.11	0.5	PASS

802.11n HT40

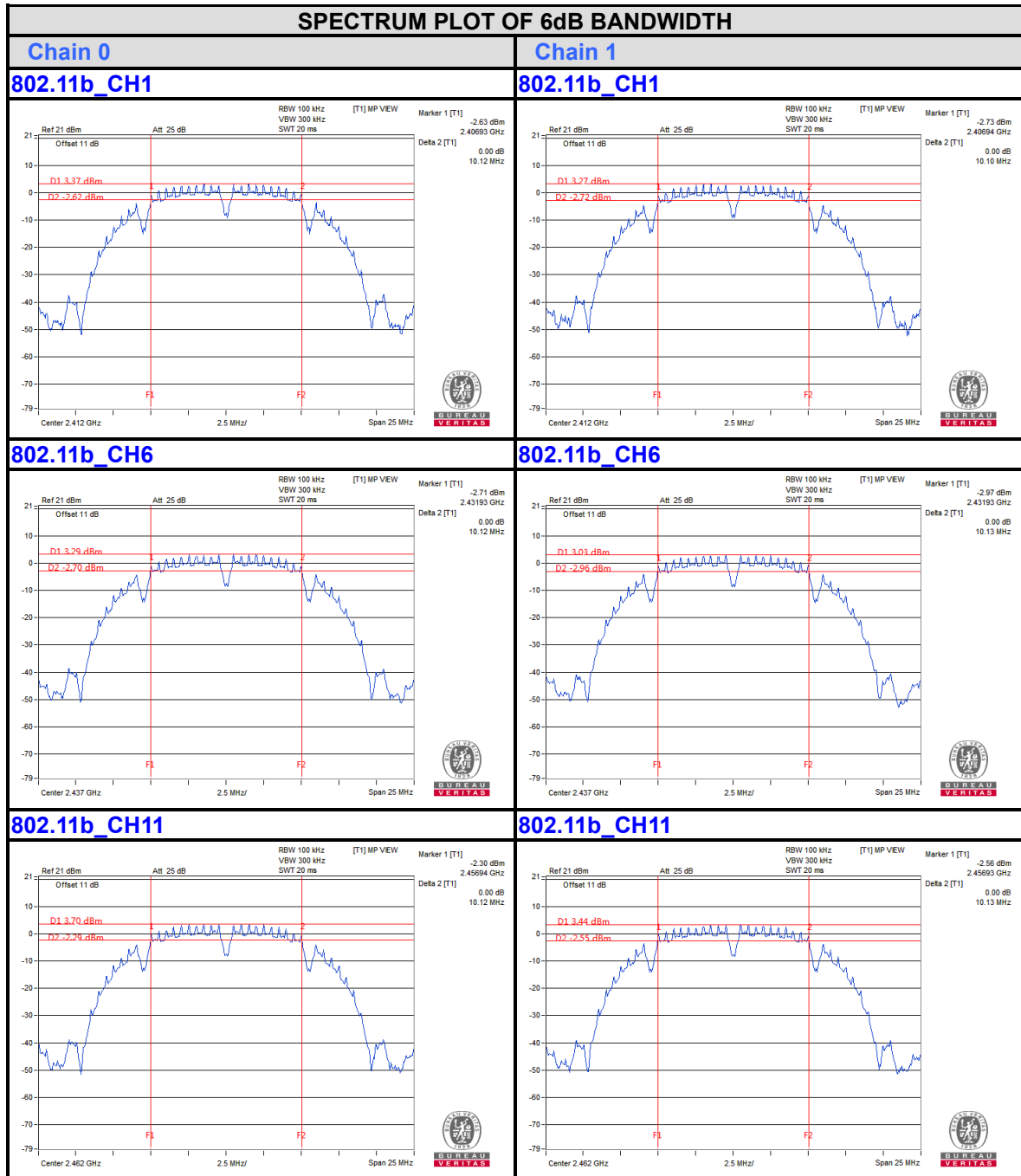
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		Chain0	Chain1		
3	2422	33.87	33.94	0.5	PASS
6	2437	35.06	35.12	0.5	PASS
9	2452	33.93	35.11	0.5	PASS

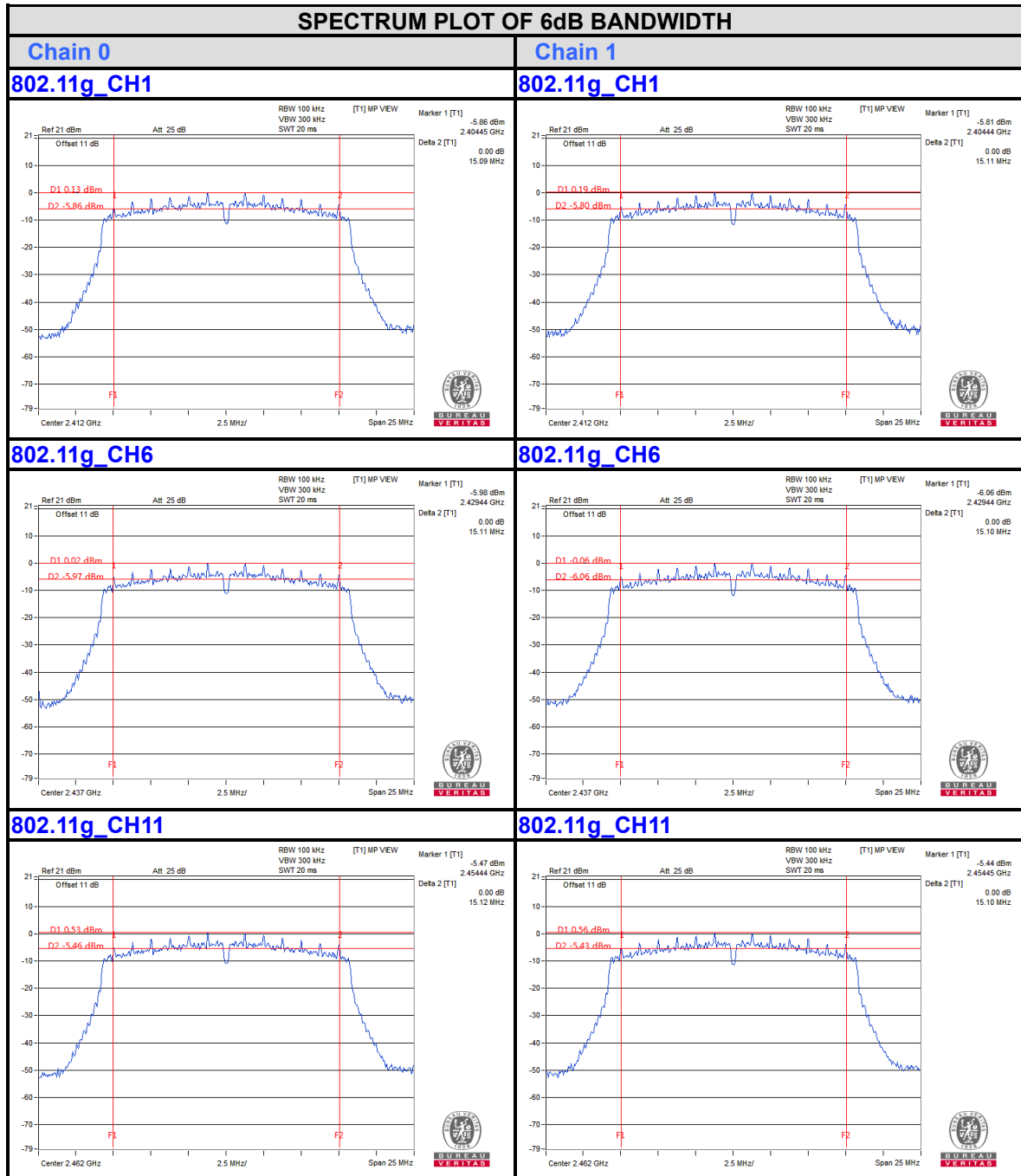
BT-LE (GFSK) 1M

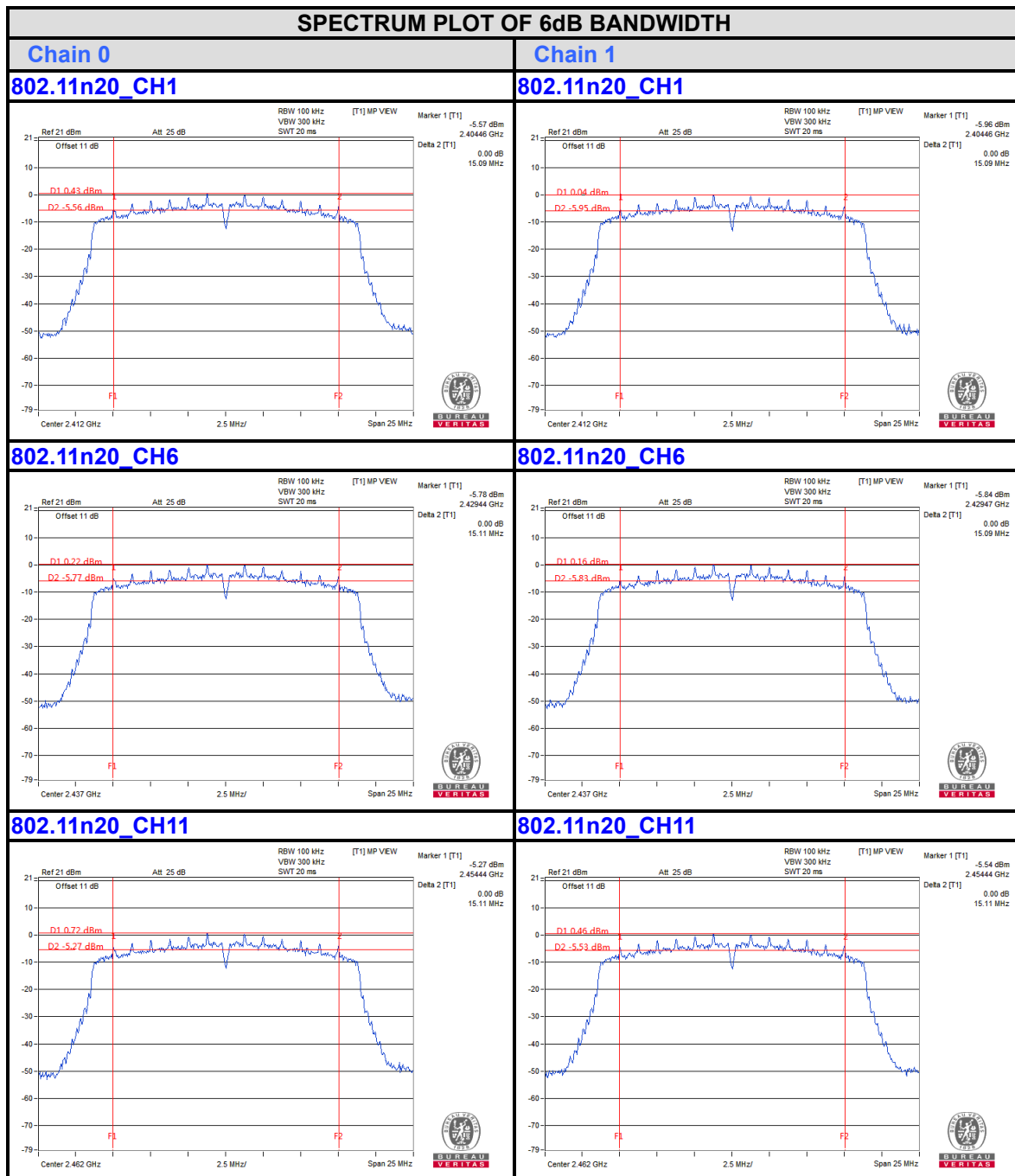
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.67	0.5	PASS
19	2440	0.66	0.5	PASS
39	2480	0.68	0.5	PASS

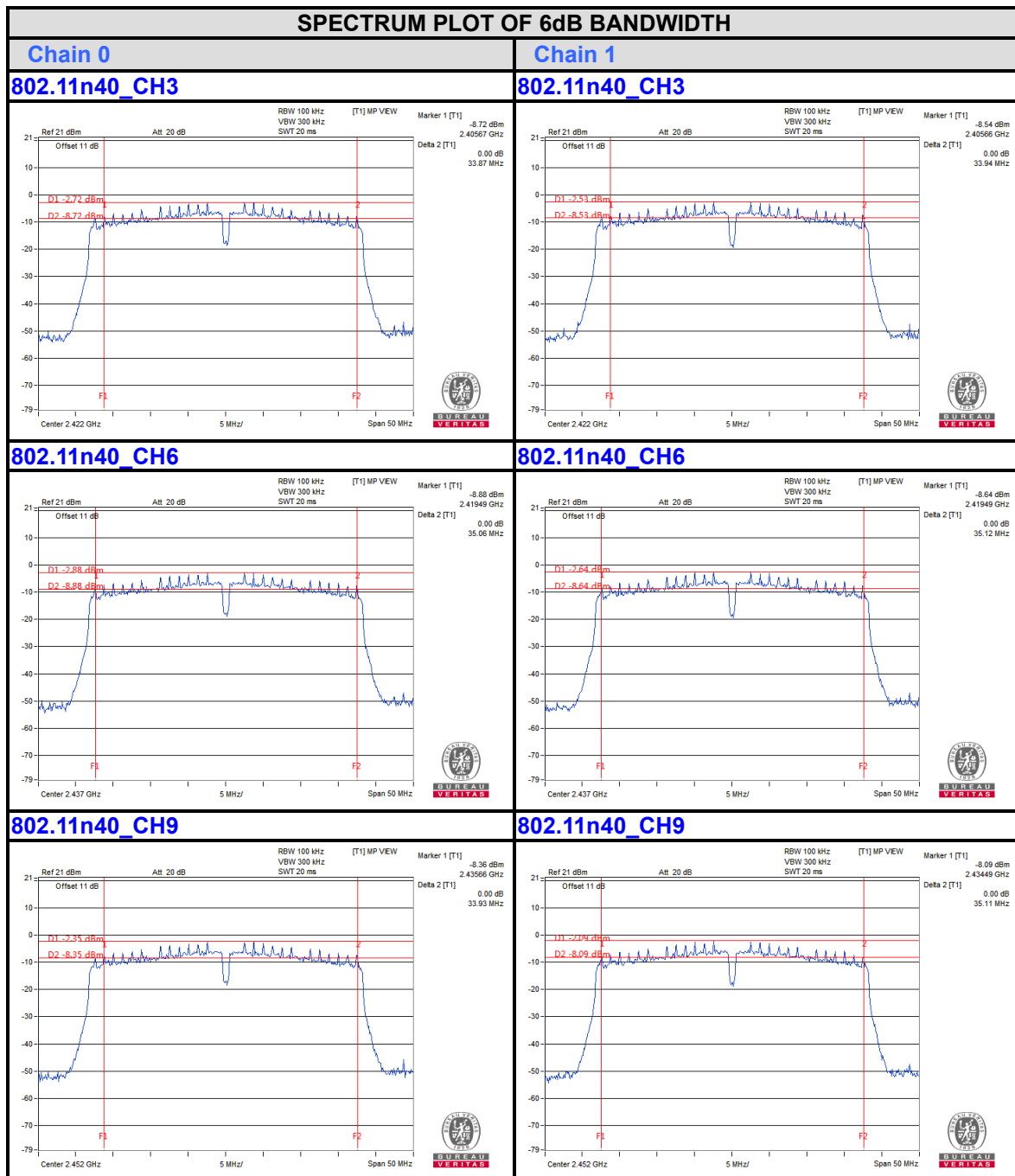
BT-LE (GFSK) 2M

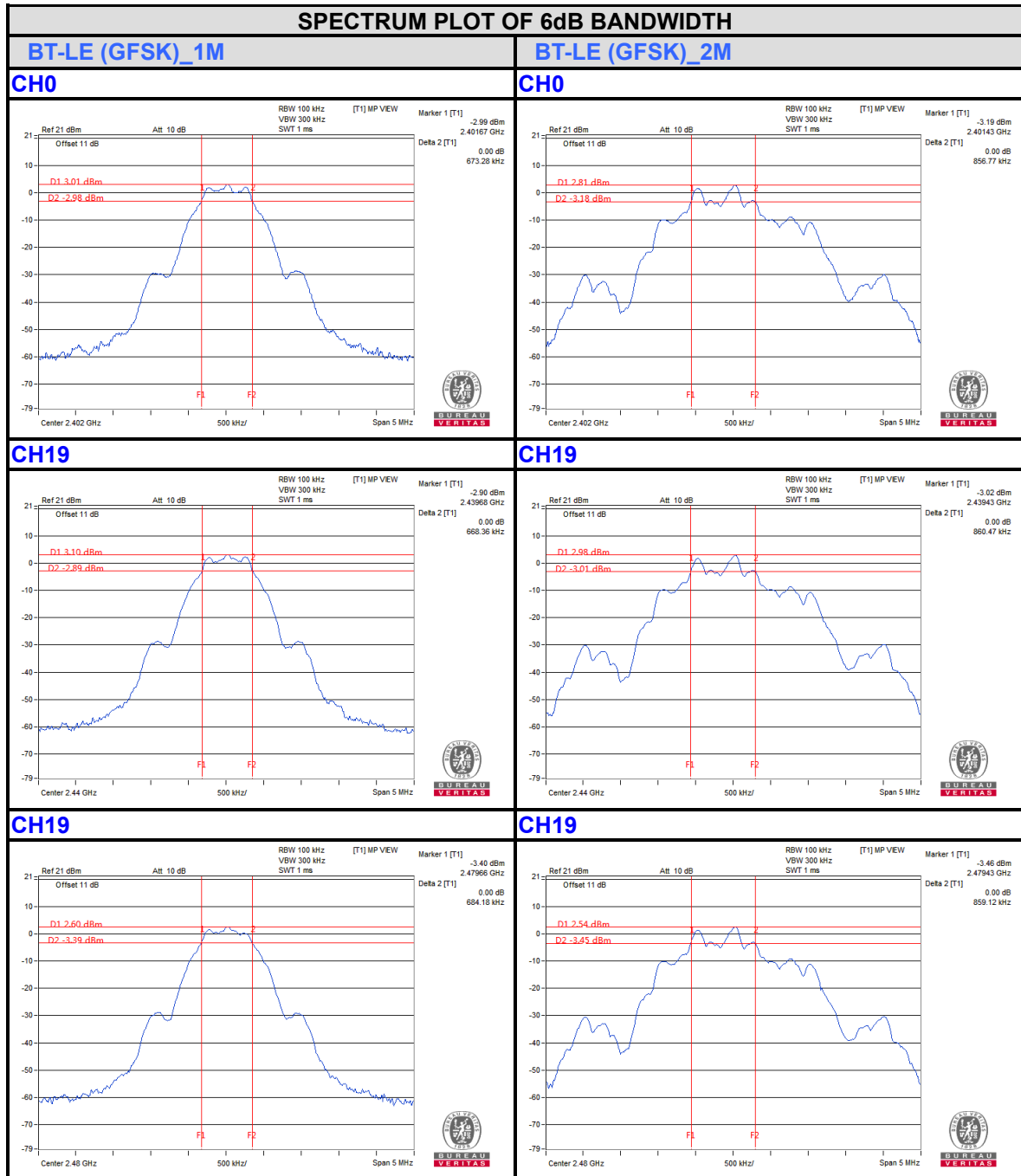
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.85	0.5	PASS
19	2440	0.86	0.5	PASS
39	2480	0.85	0.5	PASS









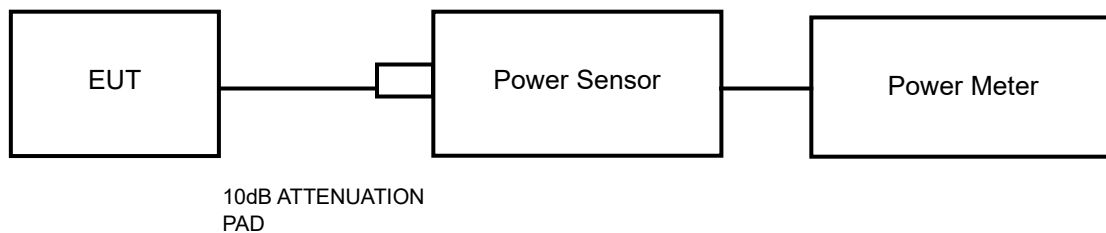


4.4 CONDUCTED OUTPUT POWER

4.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm).

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Refer to section 4.3.2 to get information of above instrument.

4.4.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor and set the detector to PEAK. Record the power level.

An average power sensor was used on the output port of the EUT. A power meter was used to read the response of the average power sensor and set the detector to AVERAGE. Record the power level.

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

4.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.4.7 TEST RESULTS

MAXIMUM PEAK OUTPUT POWER

802.11b

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	16.26	16.09	42.267	40.644	82.911	19.19	1	PASS
6	2437	16.38	16.05	43.451	40.272	83.723	19.23	1	PASS
11	2462	15.82	15.61	38.194	36.392	74.586	18.73	1	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11g

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	18.45	18.52	69.984	71.121	141.105	21.50	1	PASS
6	2437	18.62	18.42	72.778	69.502	142.28	21.53	1	PASS
11	2462	17.66	17.85	58.345	60.954	119.299	20.77	1	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11n HT20

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	18.26	18.26	66.988	66.988	133.976	21.27	1	PASS
6	2437	18.40	18.28	69.183	67.298	136.481	21.35	1	PASS
11	2462	17.81	17.82	60.395	60.534	120.929	20.83	1	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11n HT40

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
3	2422	18.48	18.51	70.469	70.958	141.427	21.51	1	PASS
6	2437	18.51	18.48	70.958	70.469	141.427	21.51	1	PASS
9	2452	18.05	17.98	63.826	62.806	126.632	21.03	1	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11ax HE20

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	17.08	16.81	51.05	47.973	99.023	19.96	1	PASS
6	2437	16.98	16.78	49.888	47.643	97.531	19.89	1	PASS
11	2462	16.31	16.27	42.756	42.364	85.12	19.30	1	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11ax HE40

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
3	2422	17.21	17.28	52.602	53.456	106.058	20.26	1	PASS
6	2437	17.23	17.08	52.845	51.05	103.895	20.17	1	PASS
9	2452	16.62	16.68	45.92	46.559	92.479	19.66	1	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

BT-LE (GFSK) 1M

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
0	2402	4.41	2.761	1	PASS
19	2440	4.48	2.805	1	PASS
39	2480	4.02	2.523	1	PASS

BT-LE (GFSK) 2M

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
0	2402	5.75	3.758	1	PASS
19	2440	5.92	3.908	1	PASS
39	2480	5.48	3.532	1	PASS

AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
1	2412	13.15	13.02	20.654	20.045	40.699	16.10
6	2437	13.21	12.98	20.941	19.861	40.802	16.11
11	2462	12.69	12.58	18.578	18.113	36.691	15.65

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
1	2412	10.32	10.43	10.765	11.041	21.806	13.39
6	2437	10.21	10.28	10.495	10.666	21.161	13.26
11	2462	9.76	9.81	9.462	9.572	19.034	12.80

802.11n HT20

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
1	2412	10.28	10.26	10.666	10.617	21.283	13.28
6	2437	10.31	10.21	10.74	10.495	21.235	13.27
11	2462	9.68	9.68	9.29	9.29	18.58	12.69

802.11n HT40

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
3	2422	10.45	10.46	11.092	11.117	22.209	13.47
6	2437	10.51	10.41	11.246	10.99	22.236	13.47
9	2452	10.08	9.95	10.186	9.886	20.072	13.03

802.11ax HE20

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
1	2412	8.25	8.21	6.683	6.622	13.305	11.24
6	2437	8.23	8.11	6.653	6.471	13.124	11.18
11	2462	7.61	7.58	5.768	5.728	11.496	10.61

802.11ax HE40

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
3	2422	8.61	8.72	7.261	7.447	14.708	11.68
6	2437	8.62	8.51	7.278	7.096	14.374	11.58
9	2452	7.95	8.01	6.237	6.324	12.561	10.99

BT-LE (GFSK) 1M

CHANNEL	CHANNEL FREQUENCY(MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)
0	2402	2.78	1.897
19	2440	2.85	1.928
39	2480	2.32	1.706

BT-LE (GFSK) 2M

CHANNEL	CHANNEL FREQUENCY(MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)
0	2402	-1.12	0.7727
19	2440	-0.95	0.8035
39	2480	-1.35	0.7328

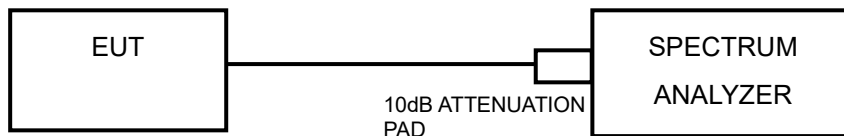
Remark: The above power values include duty cycle factors.

4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Refer to section 4.3.2 to get information of above instrument.

4.5.4 TEST PROCEDURE

- Set instrument center frequency to DTS channel center frequency.
- Set span > 1.5 times the DTS bandwidth.
- Set RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ KHz}$
- Set VBW $\geq 3 \times \text{RBW}$
- Detector = peak
- Sweep time = No faster than coupled(auto) time,
- Trace mode = max hold
- allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.
- If measured value exceeds requirement, then reduce RBW(but no less than 3KHz) and repeat.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

4.5.6 EUT OPERATING CONDITION

Same as item 4.3.6.

4.5.7 TEST RESULTS

802.11b

Channel	FREQ. (MHz)	PSD (dBm/3kHz)		TOTAL (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
		Chain 0	Chain 1			
1	2412	-11.45	-11.81	-8.62	8.00	PASS
6	2437	-11.46	-11.94	-8.68	8.00	PASS
11	2462	-11.27	-11.40	-8.32	8.00	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11g

Channel	FREQ. (MHz)	PSD (dBm/3kHz)		TOTAL (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
		Chain 0	Chain 1			
1	2412	-15.11	-15.64	-12.36	8.00	PASS
6	2437	-15.00	-15.82	-12.38	8.00	PASS
11	2462	-15.29	-14.81	-12.03	8.00	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11n HT20

Channel	FREQ. (MHz)	PSD (dBm/3kHz)		TOTAL (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
		Chain 0	Chain 1			
1	2412	-15.32	-14.51	-11.89	8.00	PASS
6	2437	-15.50	-15.53	-12.50	8.00	PASS
11	2462	-14.32	-15.08	-11.67	8.00	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11n HT40

Channel	FREQ. (MHz)	PSD (dBm/3kHz)		TOTAL (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
		Chain 0	Chain 1			
3	2422	-17.64	-17.26	-14.44	8.00	PASS
6	2437	-17.44	-17.12	-14.27	8.00	PASS
9	2452	-17.62	-17.04	-14.31	8.00	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

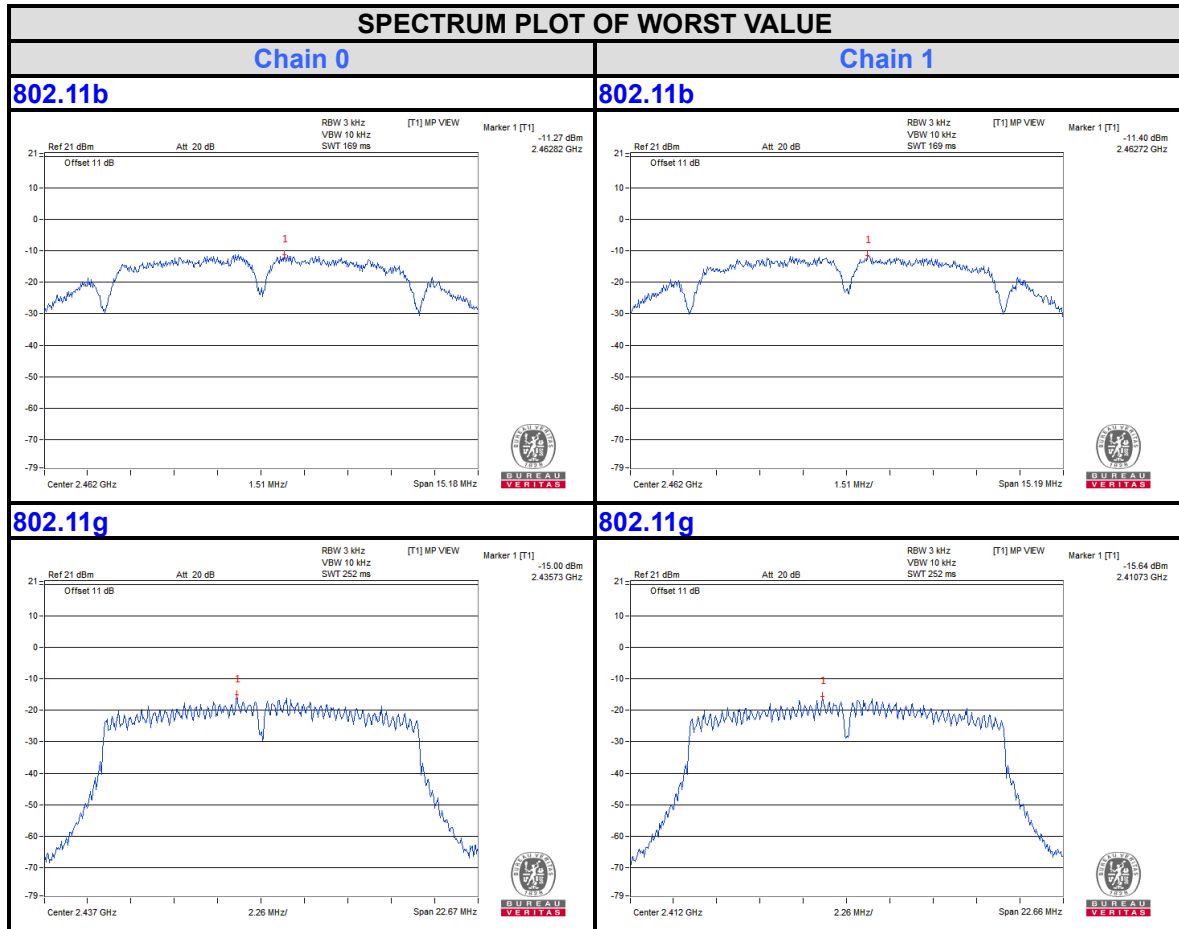
BT-LE (GFSK) 1M

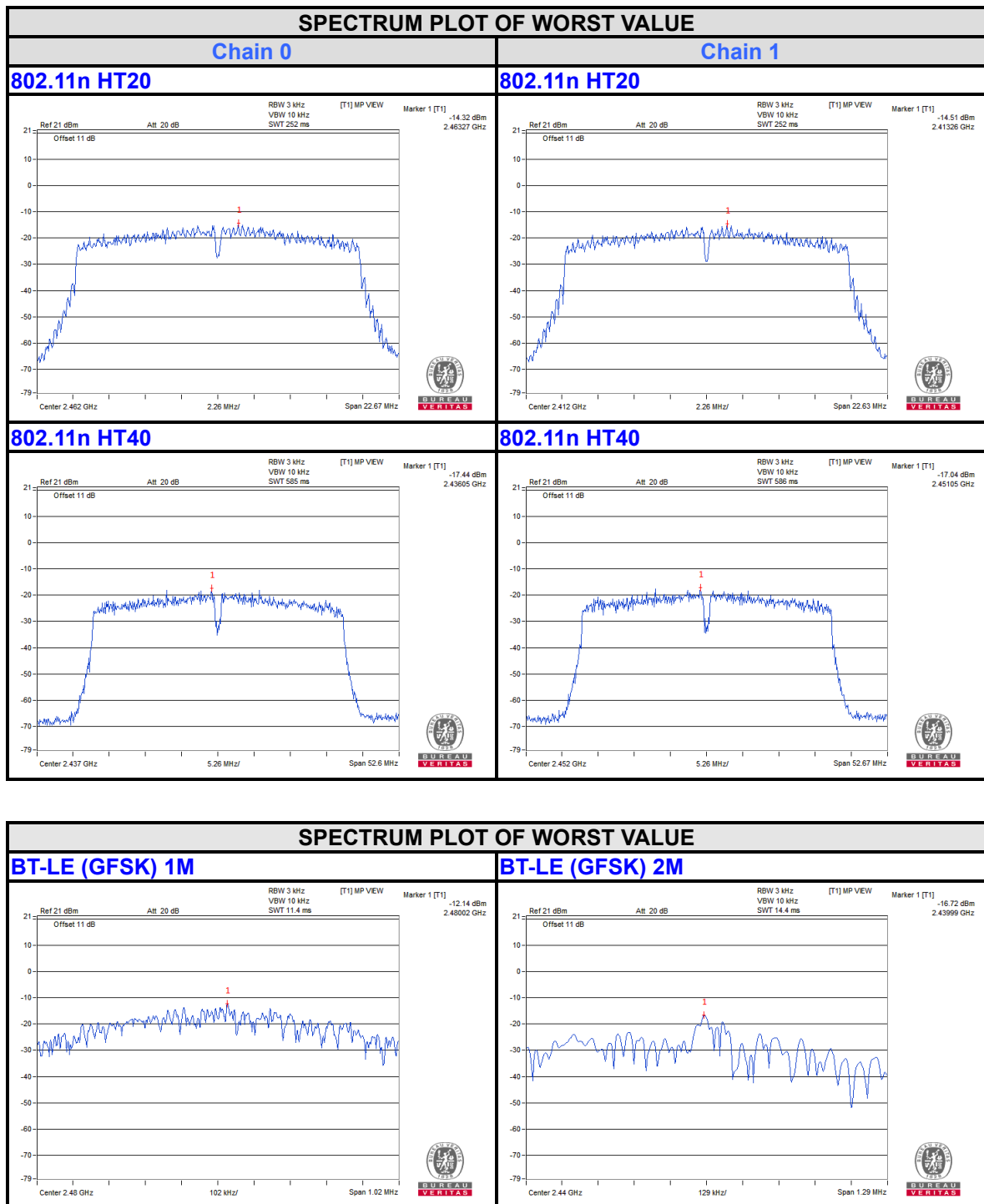
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-12.32	8.00	PASS
19	2440	-13.32	8.00	PASS
39	2480	-12.14	8.00	PASS

BT-LE (GFSK) 2M

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-16.95	8.00	PASS
19	2440	-16.72	8.00	PASS
39	2480	-17.19	8.00	PASS

Remark: The above PSD values include duty cycle factors.



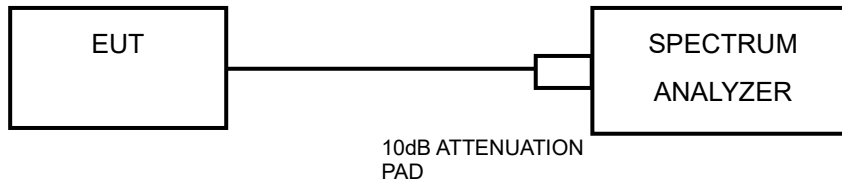


4.6 OUT OF BAND EMISSION MEASUREMENT

4.6.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.6.2 TEST SETUP



4.6.3 TEST INSTRUMENTS

Refer to section 4.3.2 to get information of above instrument.

4.6.4 TEST PROCEDURE

Measurement Procedure – Reference Level

1. Set instrument center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW = 100 kHz.
4. Set the VBW $\geq$ 100KHz(3x RBW).
5. Detector = peak.
6. Sweep time = No faster than coupled(auto) time.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum PSD level.

Measurement Procedure –Unwanted Emission Level

1. Set the center frequency and span to encompass frequency range to be measured.
2. Set RBW = 100 kHz.
3. Set VBW $\geq$ 300 kHz.
4. Detector = peak.
5. Sweep = No faster than coupled(auto) time.
6. Trace Mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level.

4.6.5 DEVIATION FROM TEST STANDARD

No deviation.

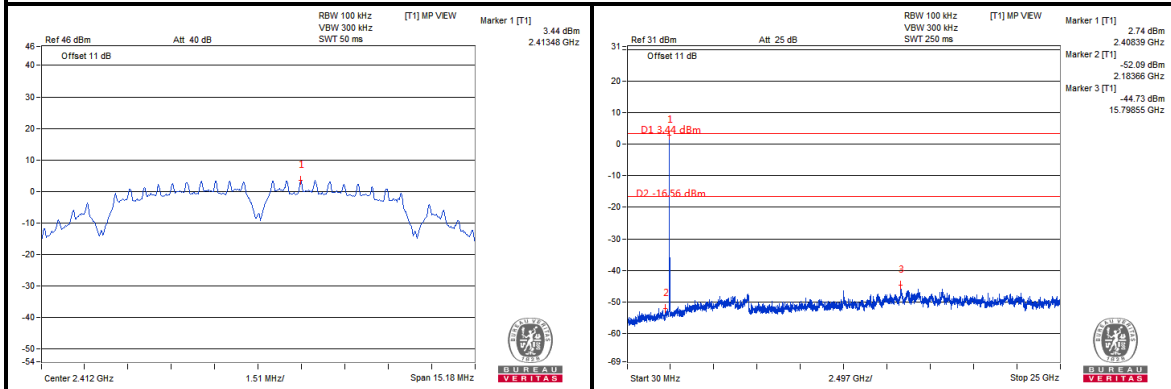
4.6.6 EUT OPERATING CONDITION

Same as item 4.3.6

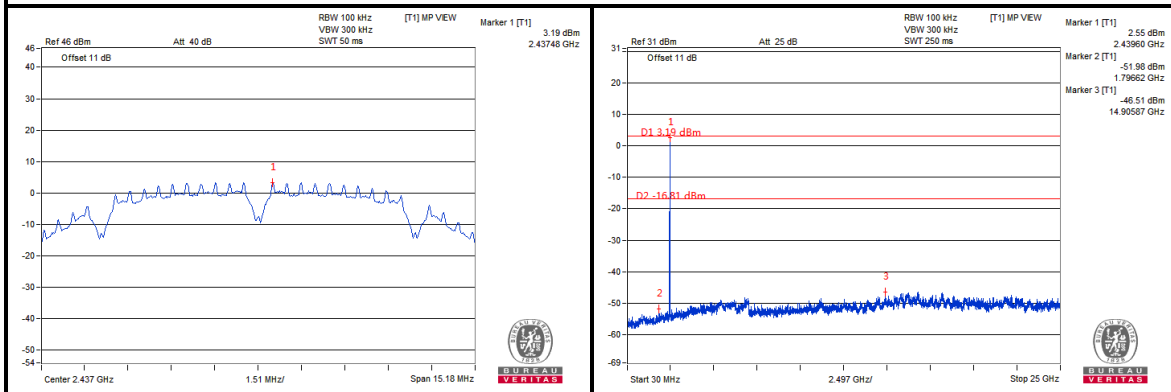
4.6.7 TEST RESULTS

802.11b
Chain 0

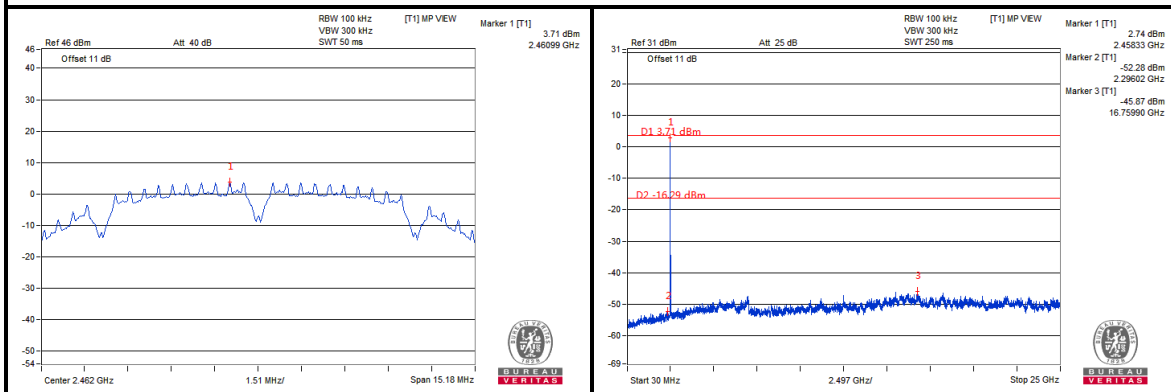
CH 1



CH 6

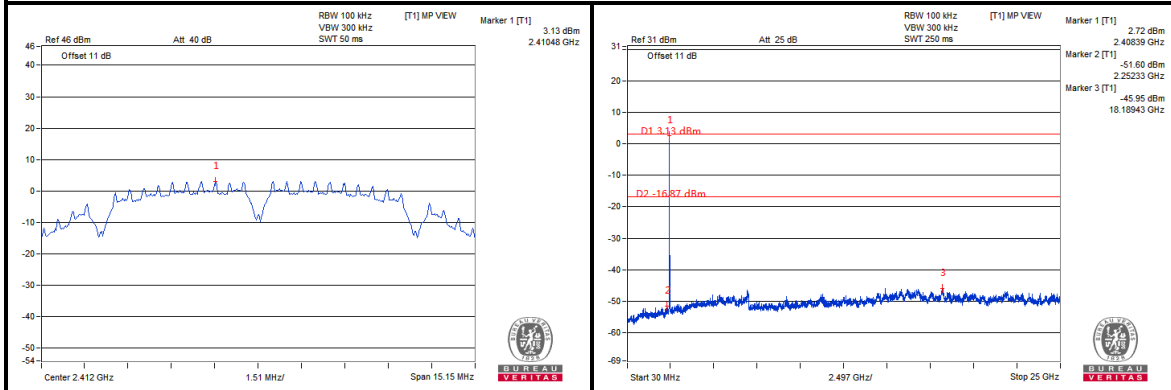


CH 11

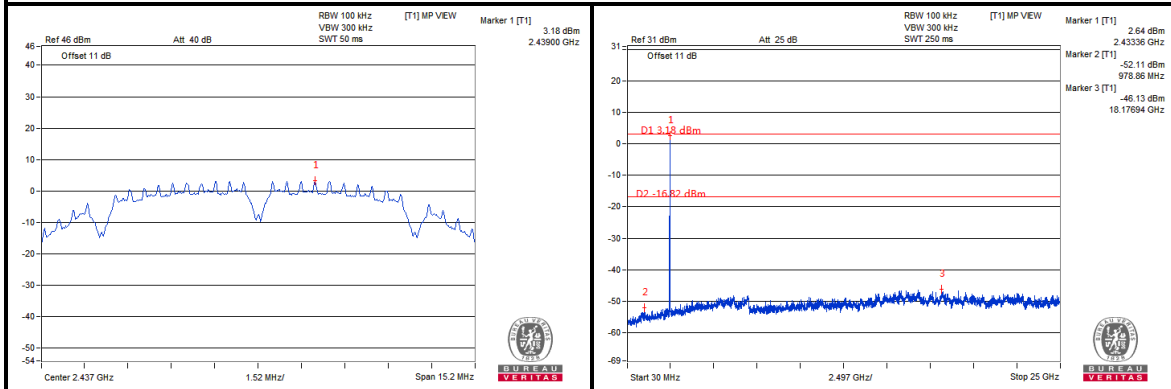


802.11b
Chain 1

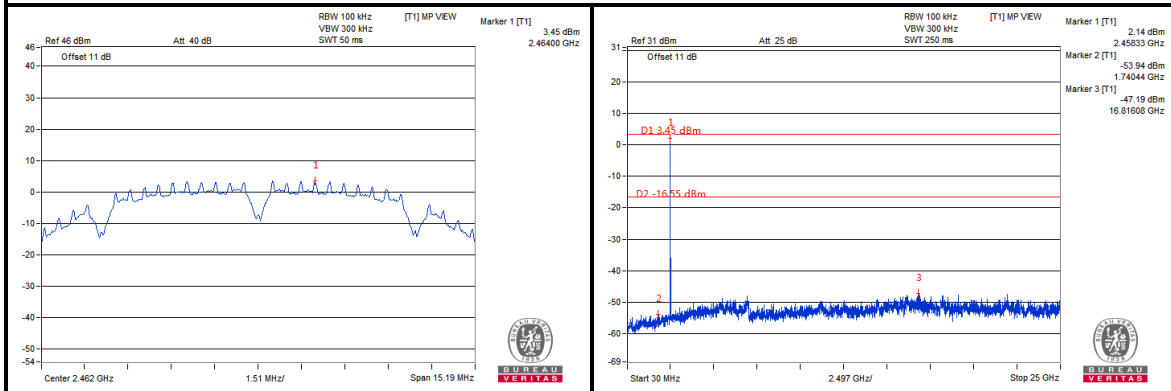
CH 1



CH 6

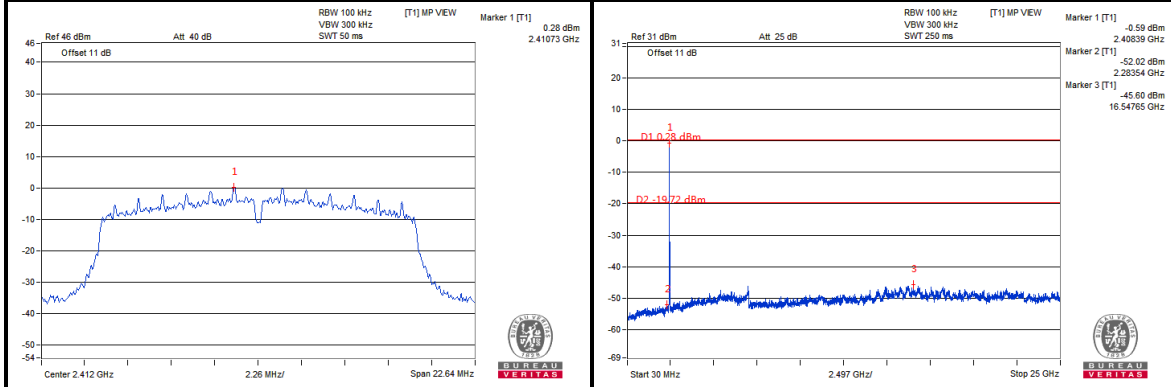


CH 11

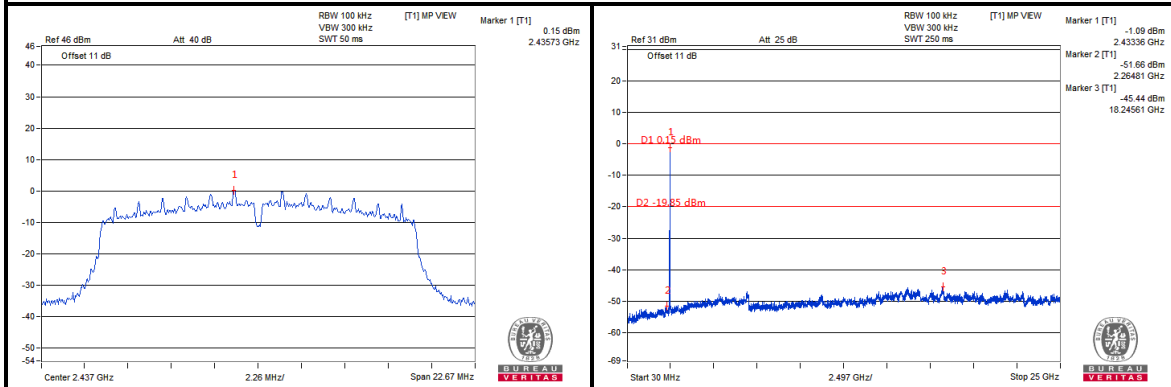


802.11g
Chain 0

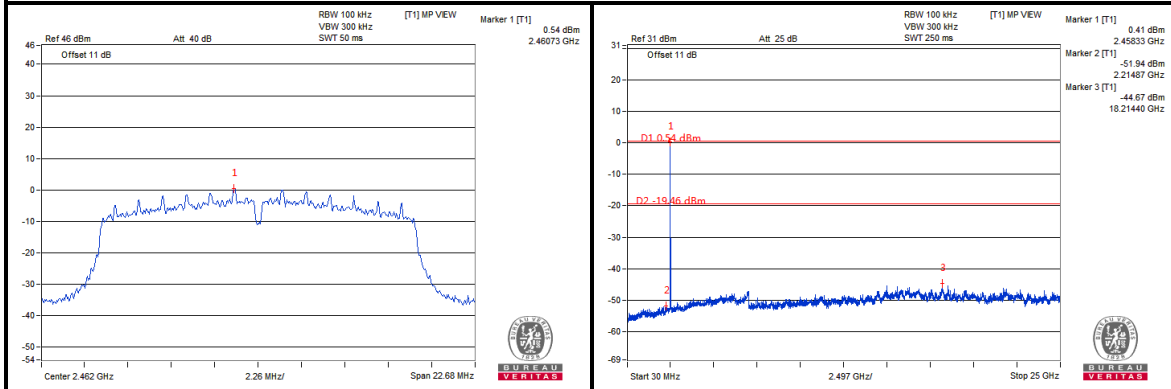
CH 1



CH 6

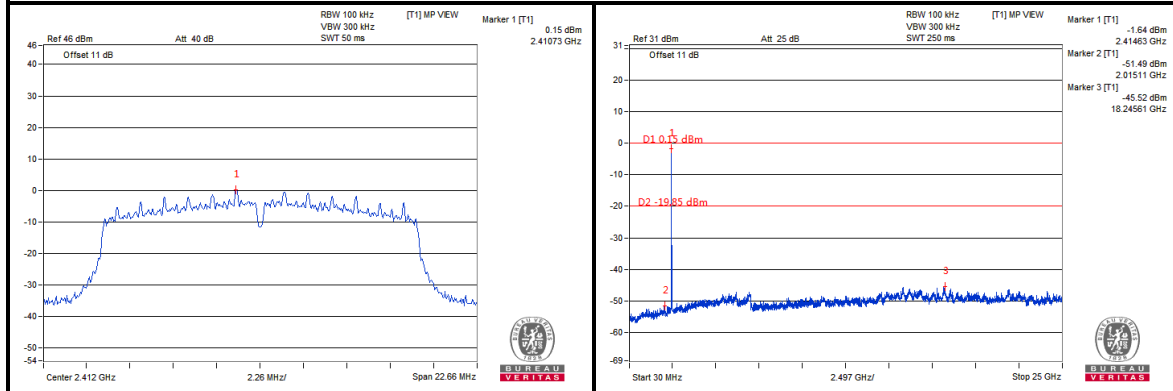


CH 11

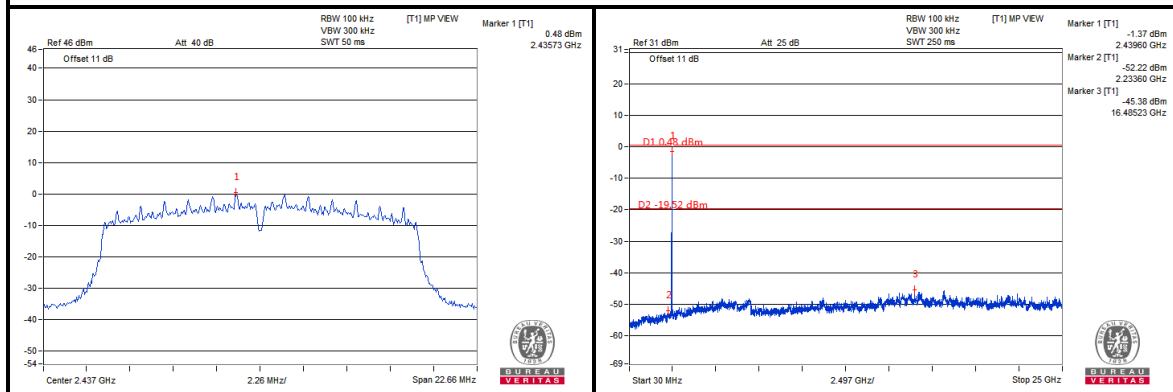


802.11g
Chain 1

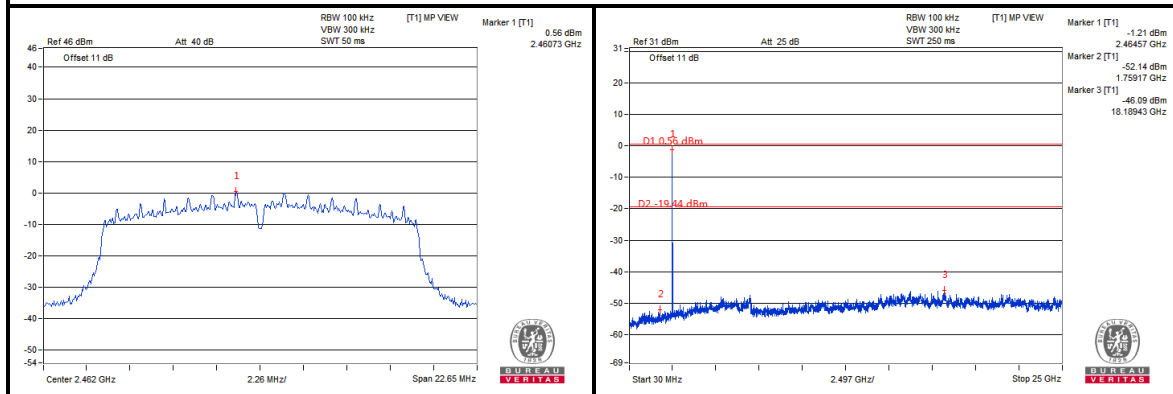
CH 1



CH 6



CH 11



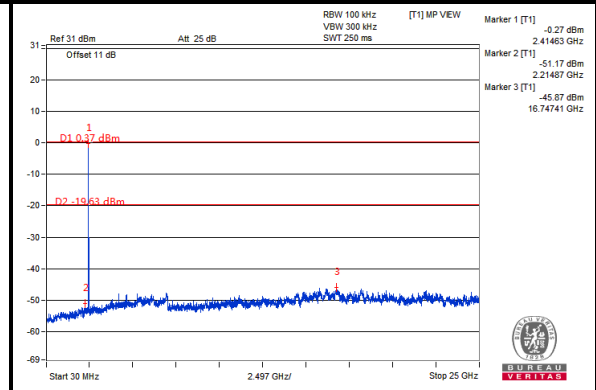
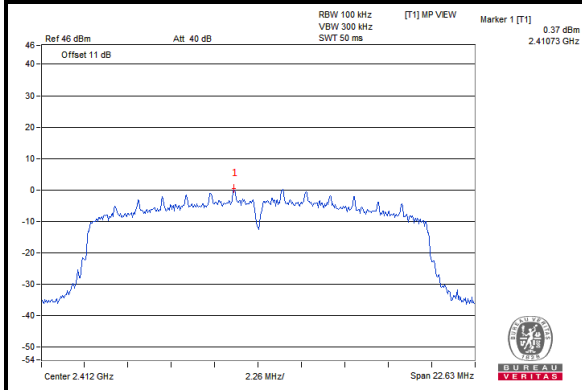


BUREAU
VERITAS

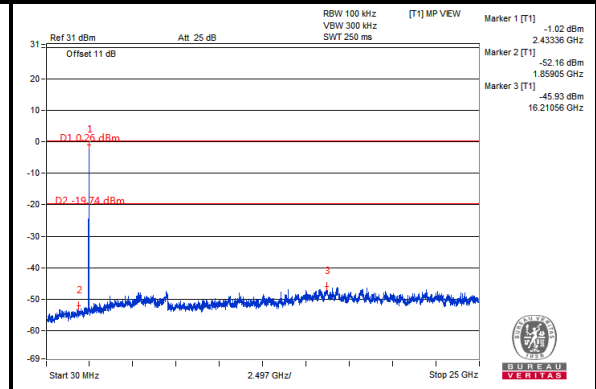
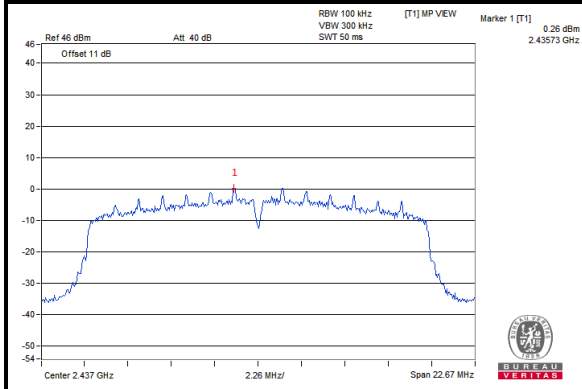
Test Report No.: RF2606WDG0092-2

802.11n (HT20)
Chain 0

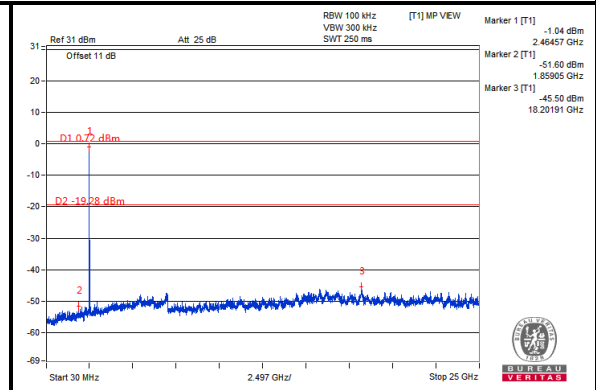
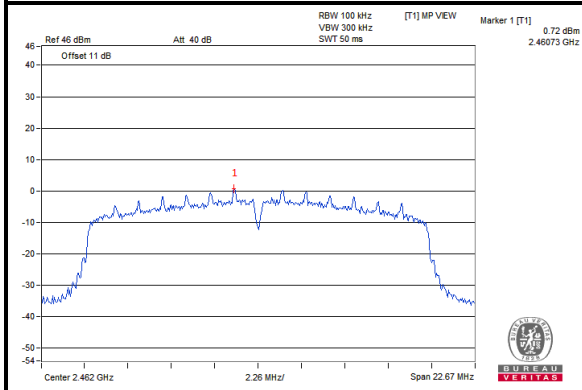
CH 1



CH 6



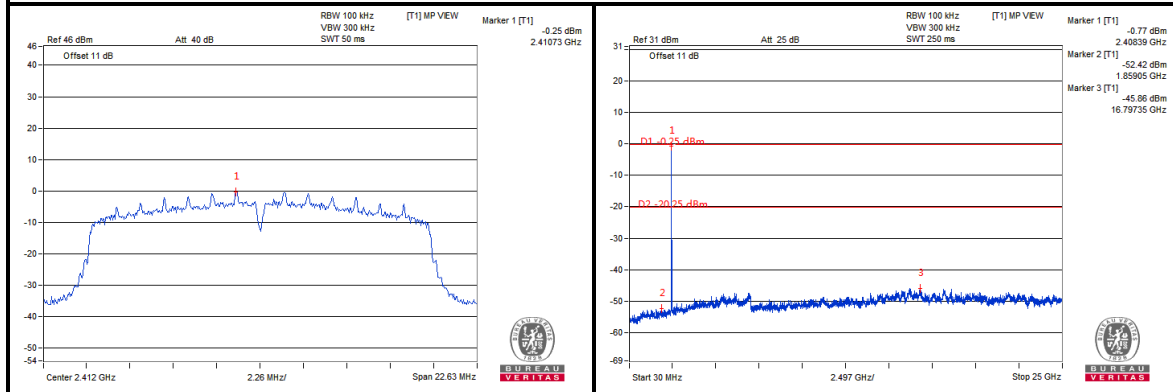
CH 11



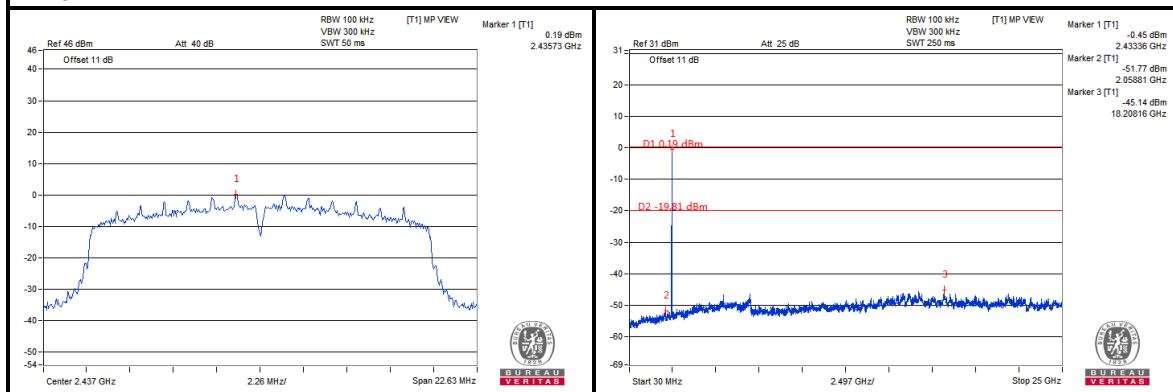
802.11n (HT20)

Chain 1

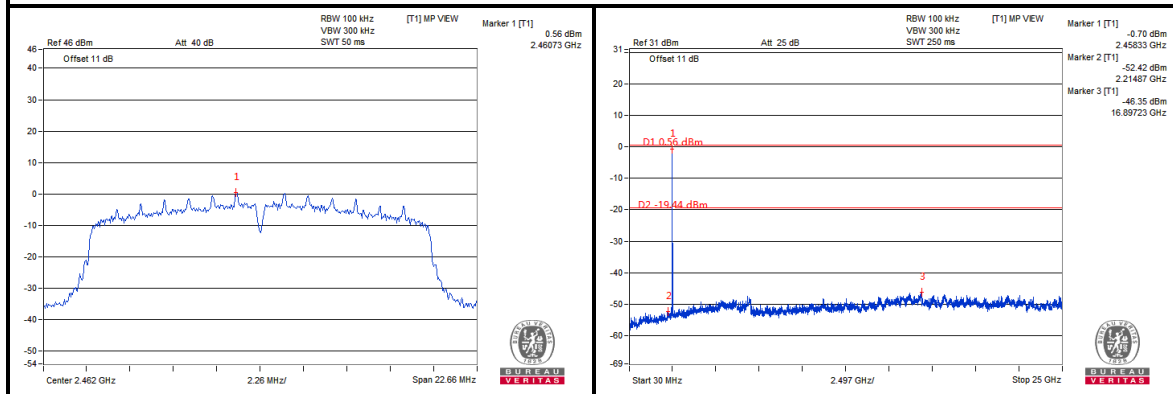
CH 1



CH 6



CH 11



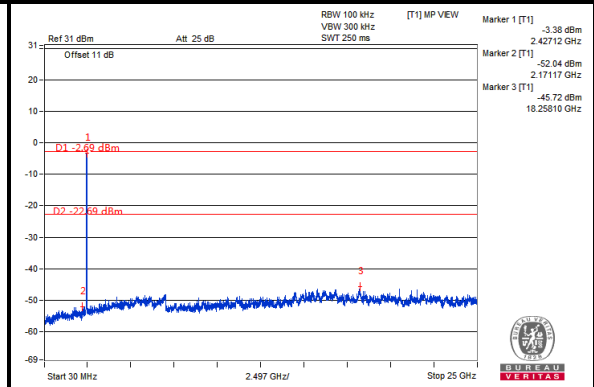
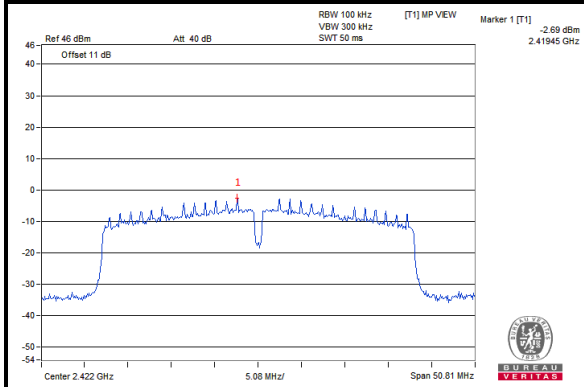


BUREAU
VERITAS

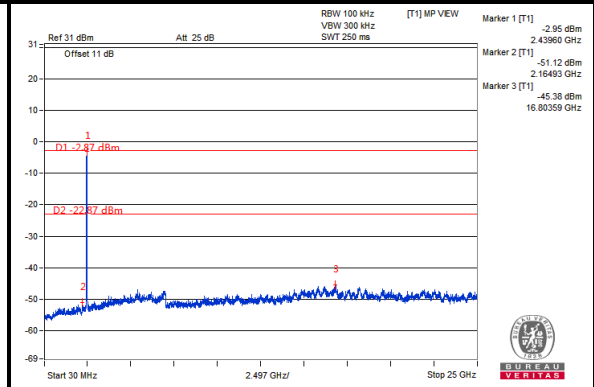
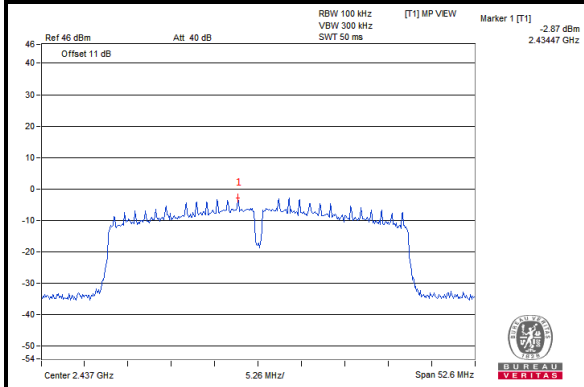
Test Report No.: RF2606WDG0092-2

802.11n (HT40)
Chain 0

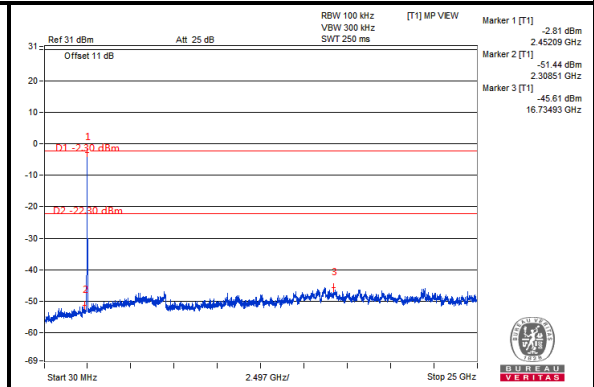
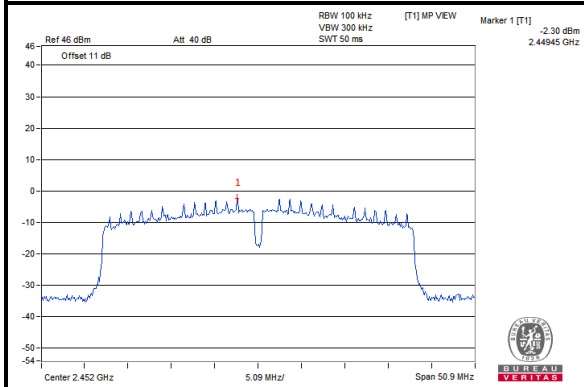
CH 3



CH 6



CH 9



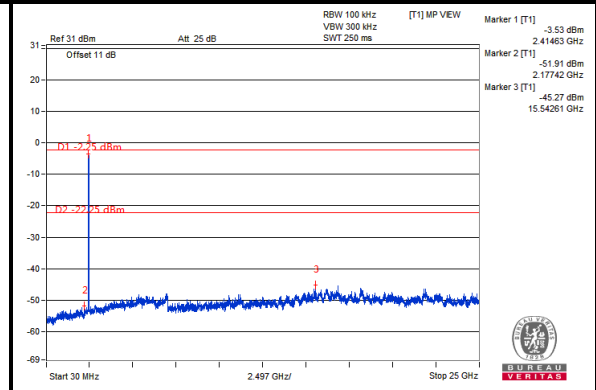
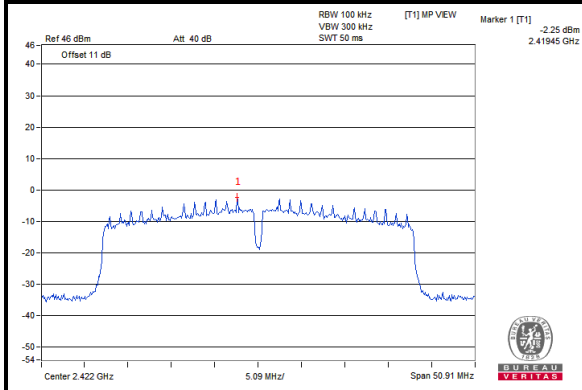


BUREAU
VERITAS

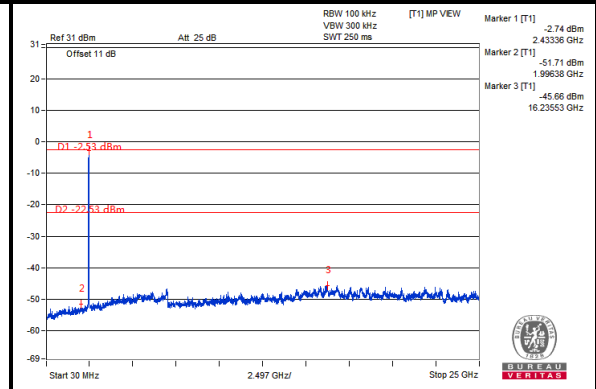
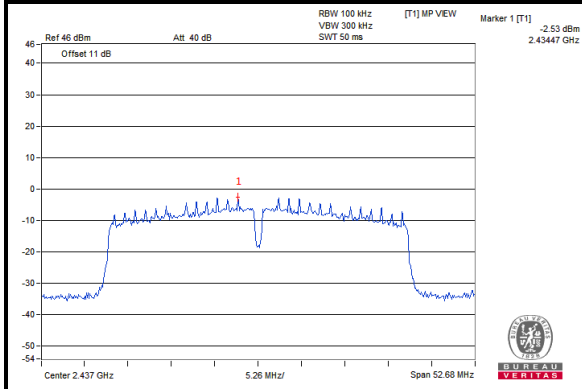
Test Report No.: RF2606WDG0092-2

802.11n (HT40)
Chain 1

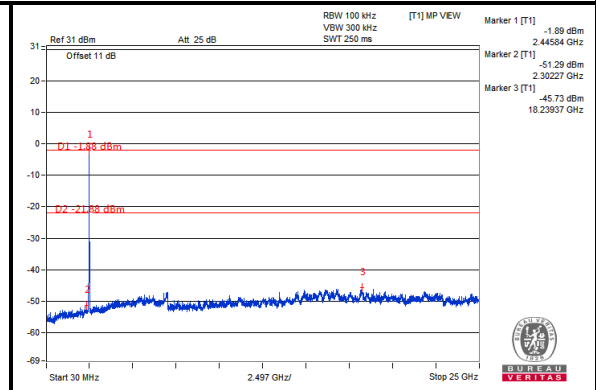
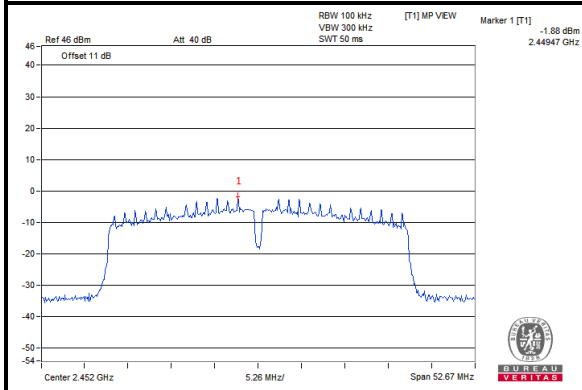
CH 3



CH 6



CH 9



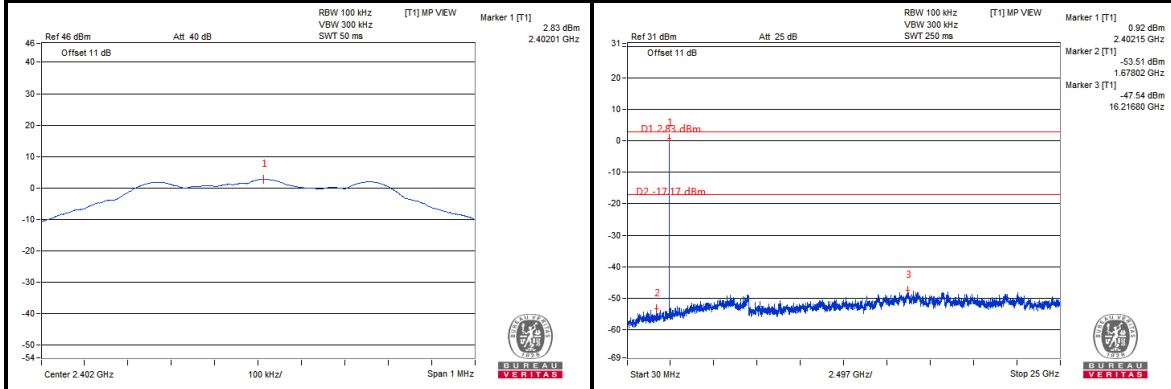


BUREAU
VERITAS

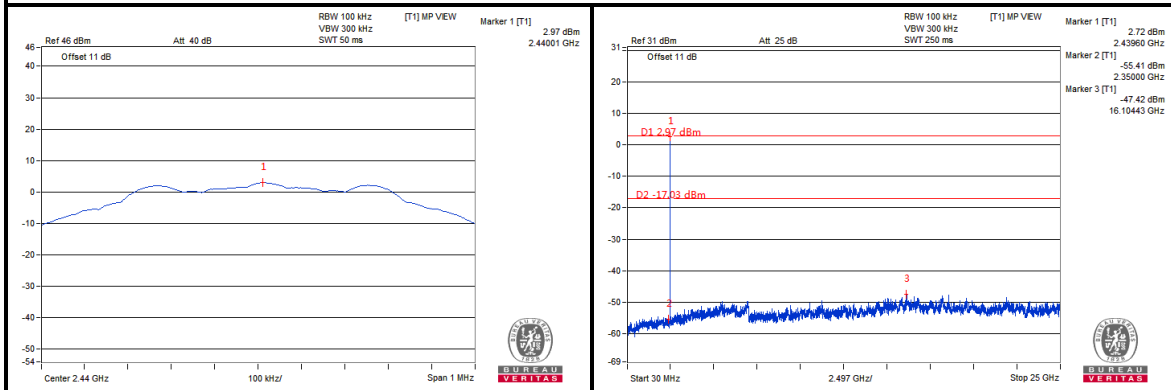
Test Report No.: RF2606WDG0092-2

BT-LE (GFSK) 1M

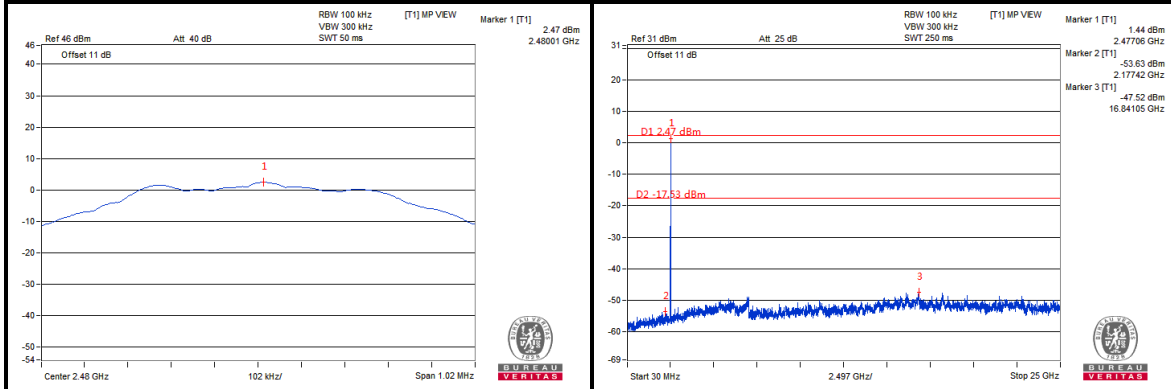
CH 0



CH 19

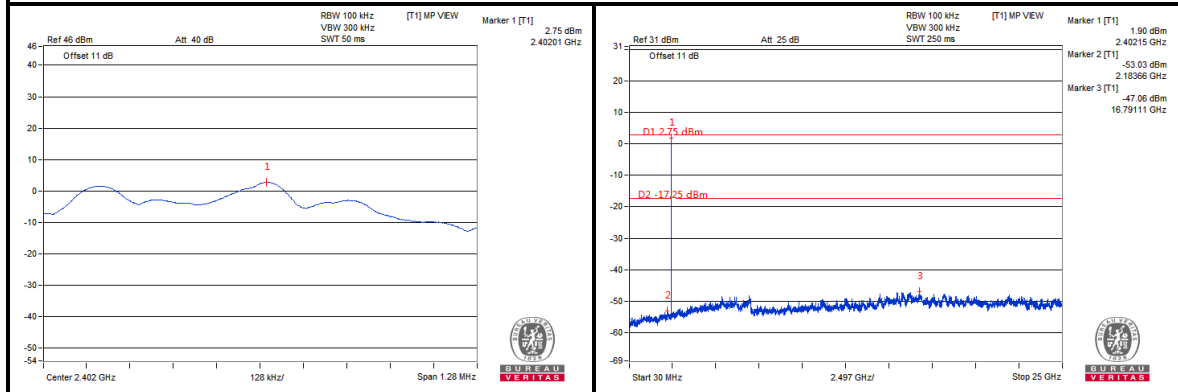


CH 39

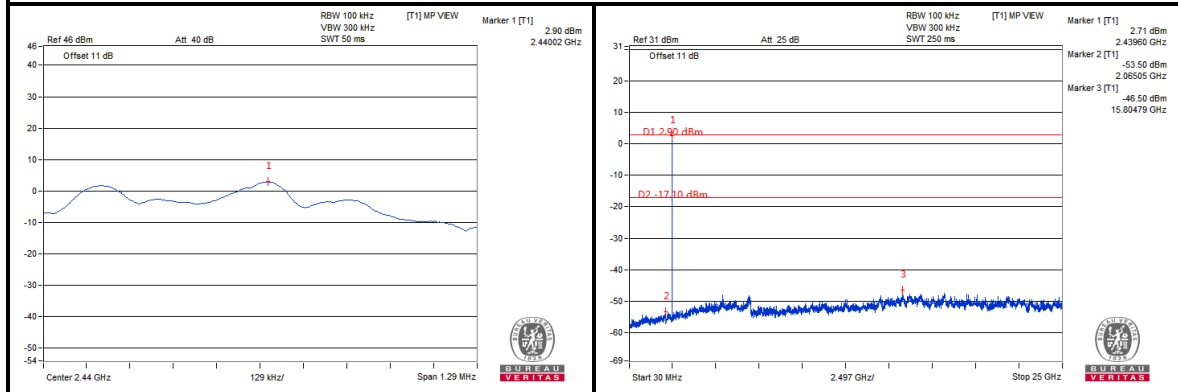


BT-LE (GFSK) 2M

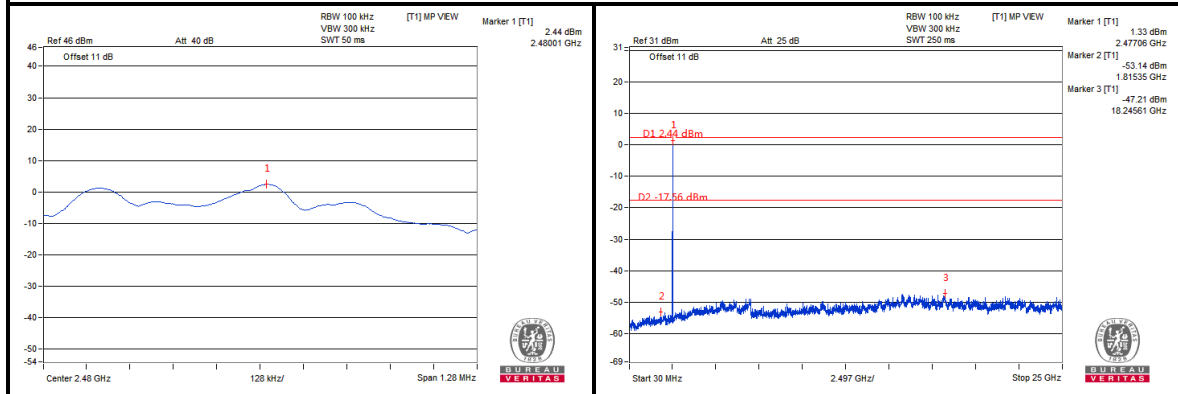
CH 0



CH 19

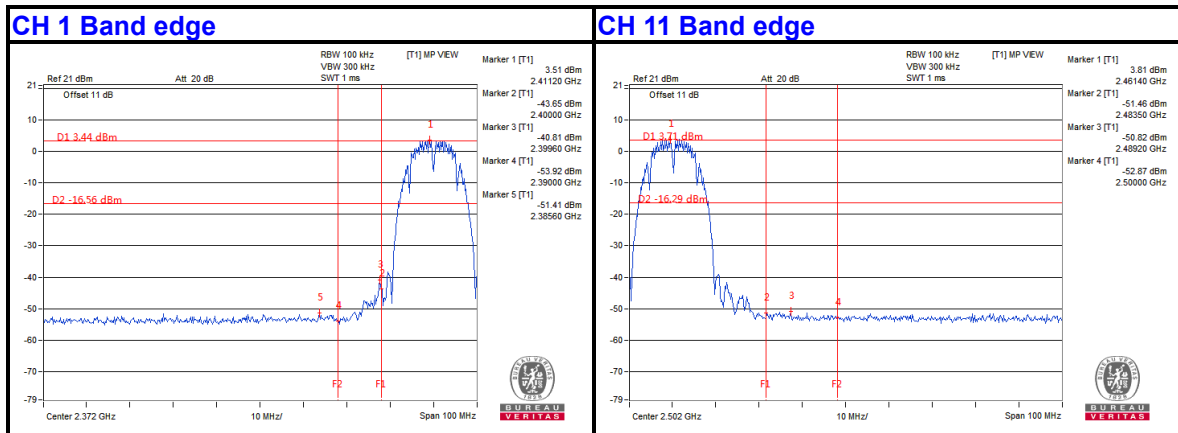


CH 39

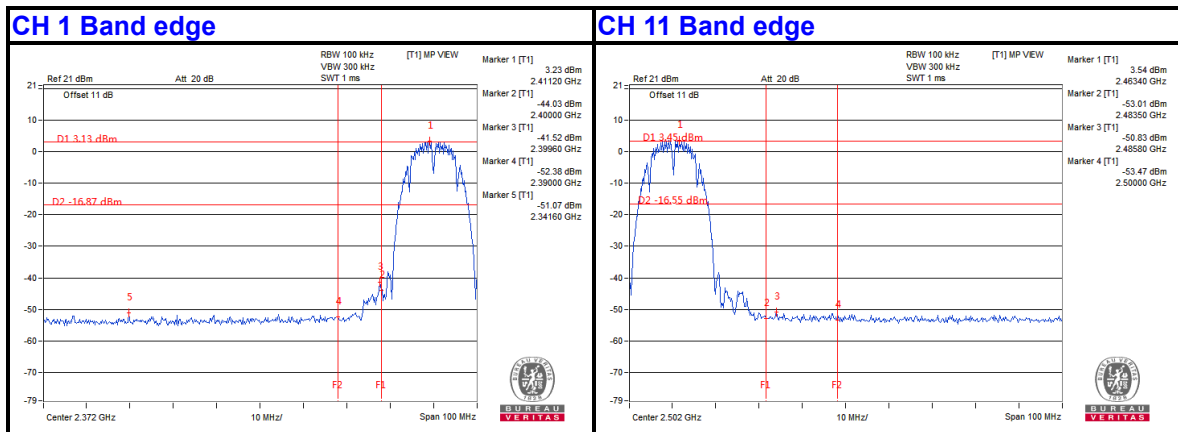


802.11b.

Chain 0

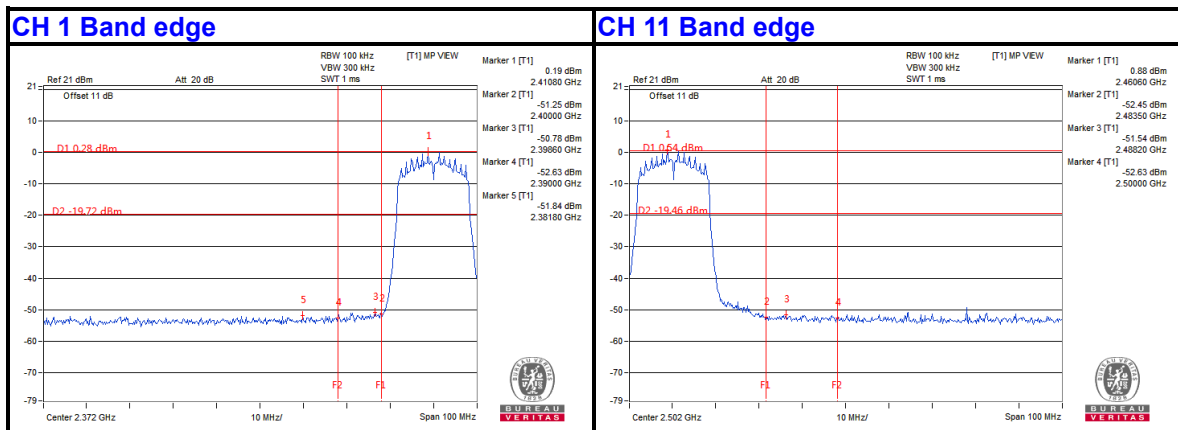


Chain 1

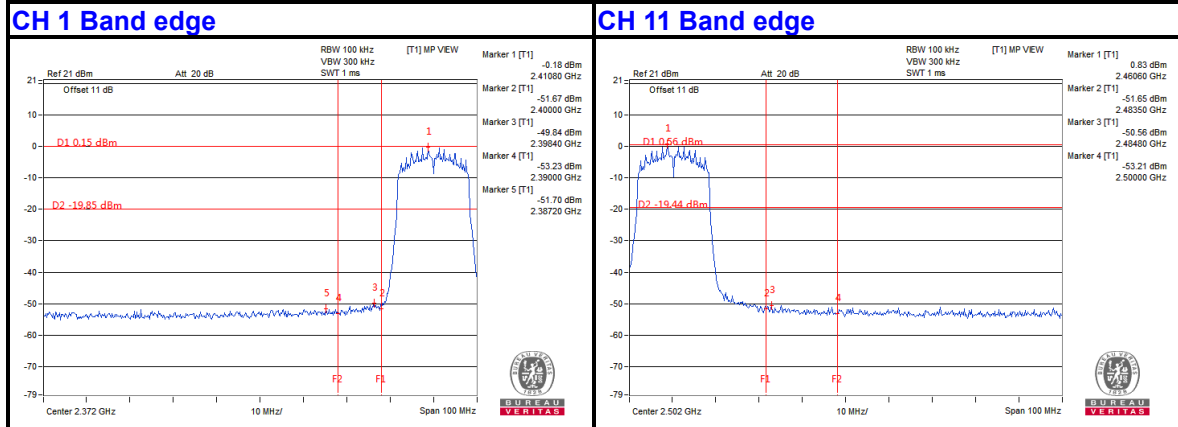


802.11g

Chain 0

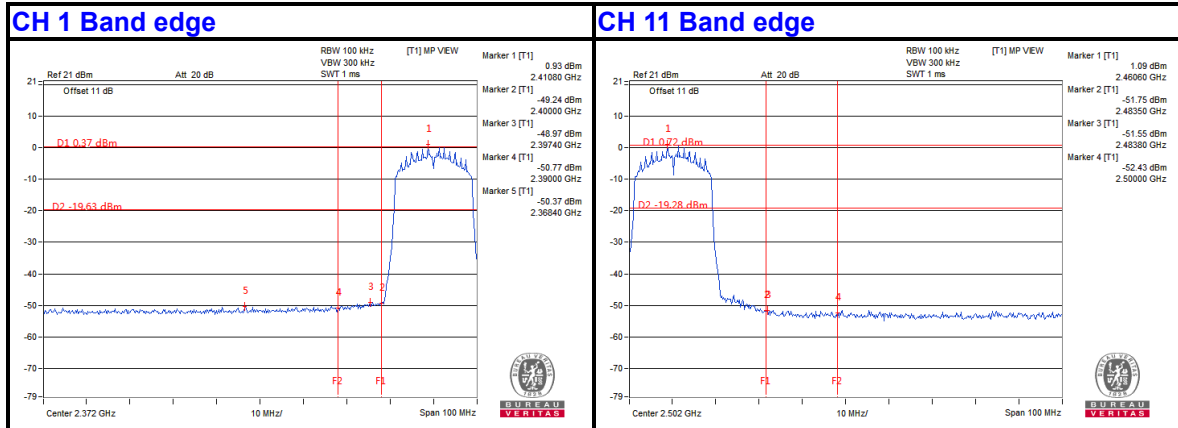


Chain 1

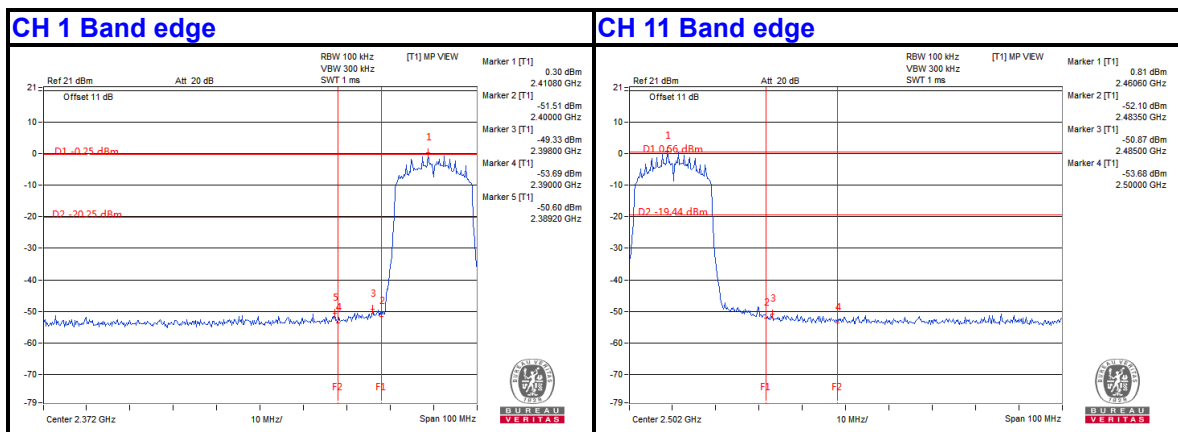


802.11n HT20

Chain 0

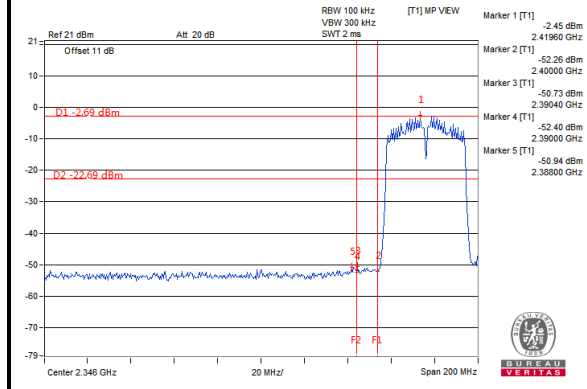


Chain 1

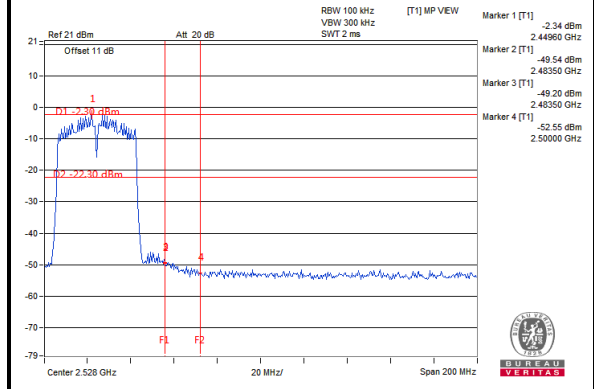


802.11n HT40
Chain 0

CH 3 Band edge

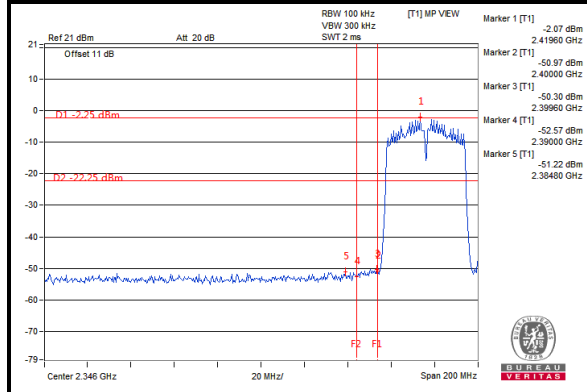


CH 9 Band edge

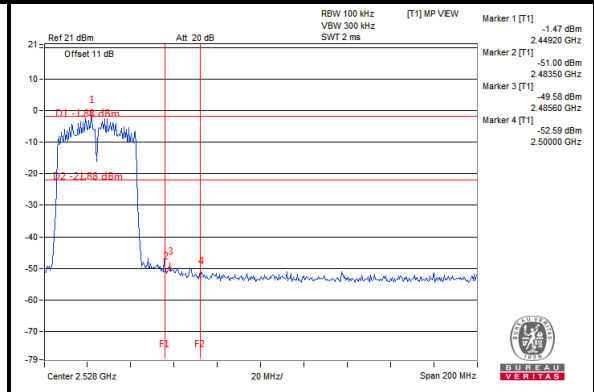


Chain 1

CH 3 Band edge

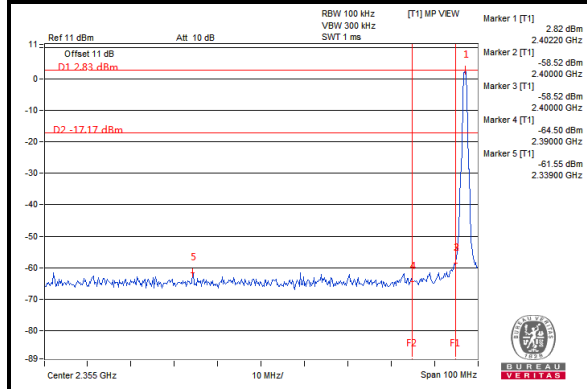


CH 9 Band edge

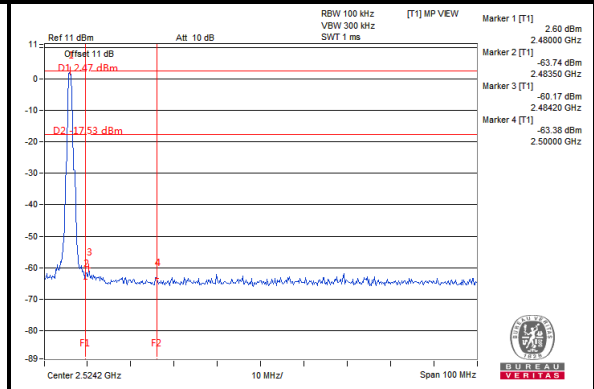


BT-LE (GFSK) 1M

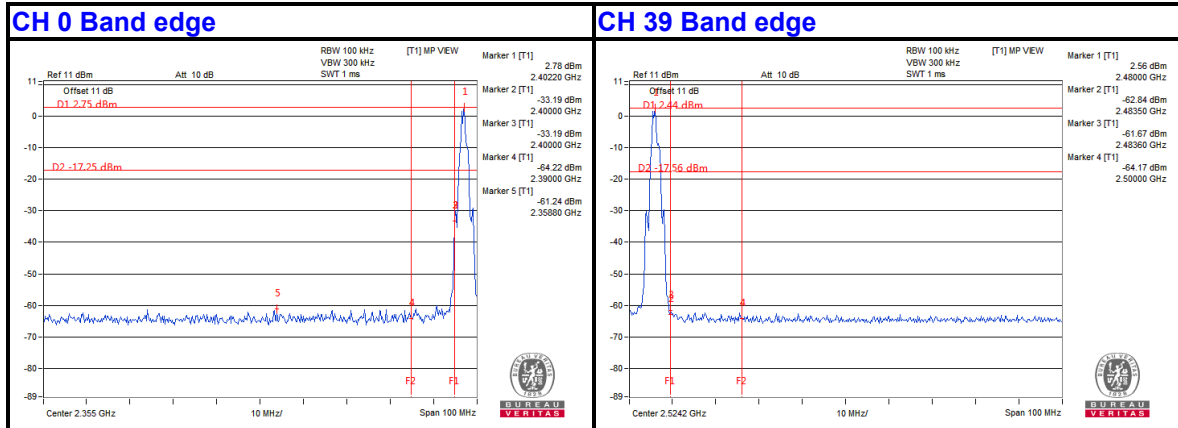
CH 0 Band edge



CH 39 Band edge



BT-LF (GFSK) 2M



5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications are made to the EUT by the lab during the test.

---END---